



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Master Agreement

Order Date: 01-06-2023

CORRECT ORDER NUMBER MUST
APPEAR ON ALL PACKAGES, INVOICES,
AND SHIPPING PAPERS. QUESTIONS
CONCERNING THIS ORDER SHOULD BE
DIRECTED TO THE DEPARTMENT
CONTACT.

Order Number:	CMA 0313 0313 DEP230000004C 2	Procurement Folder:	1085572
Document Name:	Lab Testing Equipment and Supplies	Reason for Modification:	
Document Description:	Lab Testing Equipment and Supplies CO#1 Substitutions	CO#1 Substitutions Lab Testing Equipment and Supplies	
Procurement Type:	Central Master Agreement		
Buyer Name:			
Telephone:			
Email:			
Shipping Method:	Best Way	Effective Start Date:	2022-08-15
Free on Board:	FOB Dest, Freight Prepaid	Effective End Date:	2023-08-14

VENDOR	DEPARTMENT CONTACT																				
Vendor Customer Code: 000000117961 THOMAS SCIENTIFIC HOLDINGS LLC 1654 HIGH HILL RD SWEDESBORO NJ 08085 US Vendor Contact Phone: 856-832-3442 Extension: Discount Details: <table><thead><tr><th></th><th>Discount Allowed</th><th>Discount Percentage</th><th>Discount Days</th></tr></thead><tbody><tr><td>#1</td><td>No</td><td>0.0000</td><td>0</td></tr><tr><td>#2</td><td>No</td><td></td><td></td></tr><tr><td>#3</td><td>No</td><td></td><td></td></tr><tr><td>#4</td><td>No</td><td></td><td></td></tr></tbody></table>		Discount Allowed	Discount Percentage	Discount Days	#1	No	0.0000	0	#2	No			#3	No			#4	No			Requestor Name: Jessica S Chambers Requestor Phone: 304-926-0499 Requestor Email: jessica.s.chambers@wv.gov 23 FILE LOCATION _____
	Discount Allowed	Discount Percentage	Discount Days																		
#1	No	0.0000	0																		
#2	No																				
#3	No																				
#4	No																				

INVOICE TO	SHIP TO
VARIOUS AGENCY LOCATIONS AS INDICATED BY ORDER No City WV 99999 US	VARIOUS AGENCY LOCATIONS AS INDICATED BY ORDER No City WV 99999 US

Total Order Amount:

Open End

Purchasing Division's File Copy

ENTERED

PURCHASING DIVISION AUTHORIZATION

DATE: 1-12-2023
ELECTRONIC SIGNATURE ON FILE

ATTORNEY GENERAL APPROVAL AS TO FORM

DATE: 1/18/2023
ELECTRONIC SIGNATURE ON FILE

ENCUMBRANCE CERTIFICATION

DATE: 1/19/2023
ELECTRONIC SIGNATURE ON FILE

Extended Description:

Change Order

Change Order No. 01 is issued to process substitutions per the attached list and according to all terms, conditions, prices and specifications contained in the original contract including all authorized change orders.

Substitutions

Item # 14: Replaced by Item #1171H52
Item # 24: Replaced by Item #8700G01
Item # 38: Replaced by Item #0535H64
Item # 41: Replaced by Item #0534V43
Item # 44: Replaced by Item #SPECIAL-721250
Item # 45: Replaced by Item #4120R68
Item # 46: Replaced by Item #1226X13
Item # 47: Replaced by Item #1226X45
Item # 49: Replaced by Item #21A00B959
Item # 50: Replaced by Item #9591D41
Item # 51: Replaced by Item #0534V43
Item # 54: Replaced by Item #CHM03Q310
Item # 118: Replaced by Item #SPECIAL-530180
Item # 132: Replaced by Item #0535H64 or 4783-03
Item # 134: Replaced by Item #1226X14
Item # 135: Replaced by Item #1226X78
Item # 171: Replaced by Item #SPECIAL-2998-H-12

All provisions of the original Contract and subsequent Change Orders not modified herein shall remain in full force and effect.

Line	Commodity Code	Manufacturer	Model No	Unit	Unit Price
1	41120000			EA	0.000000
	Service From	Service To			

Commodity Line Description: Laboratory and Scientific Equipment and Supplies

Extended Description:

See attached Exhibit A Pricing Page



west virginia department of environmental protection

Administrative Services
601 57th Street SE
304-926-0499 Phone
304-926-0491 Fax

Harold D. Ward, Cabinet Secretary
dep.wv.gov

January 03, 2023

Jan Gailey
Thomas Scientific Holdings LLC
Jan.gailey@thomassci.com

RE: Change Order #1 – CMA DEP230000004C Lab Testing Equipment and Supplies Contract Substitutions

Dear Jan Gailey,

Thank you for notifying us that there are Hach items that you are unable to supply. After research, DEP agrees, since it is no fault of Thomas Scientific, and these are necessary items for DEP personnel, that the suggested replacement items meet the specifications set forth in the original solicitation and are acceptable substitutions.

Change Order #1 will be issued to substitute the items per the included attachment at the same price or lower than the original bid line item. Please sign and date below to acknowledge the change to the contract. An approved copy of the change order will be sent as soon as it is finalized.

Please let me know if you have any questions or concerns. Please return via email by January 5, 2023, or sooner.

Sincerely,

Larry T

Workman

Larry Workman

Procurement Specialist, Senior

Larry.t.workman@wv.gov

Digitally signed by: Larry T
Workman
DN: CN = Larry T Workman email
= Larry.T.workman@wv.gov C =
AD: O = WV DEP OU = Business
Operations
Date: 2023.01.03 11:26:33 -05'00'

Thomas Scientific Holdings, LLC agrees to the above item substitution and pricing.

Authorized Vendor Signature

1/6/2023 | 6:35 AM PST

Date

Solomon Jones

VP of Sales, South

Printed Name, Title

Promoting a healthy environment.

ATTACHMENT A

Item # 14 - The Hach Item (#2937406) can no longer be provided by the vendor which was originally bid at \$6.47 per pk of 6. This item will be \$12.94 for a case of 12 which would be the same price as the original.



labForce® (a Thomas Scientific Brand)
Natural HDPE Oblong Bottles

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★★★★★

Description

Oblong shape for space-efficient storage and commonly for use in applications that require a wide width, shallow depth and a small neck.

1171H52

Description

1L Natural HDPE Oblong Bottle, Graduated in 100mL Increments, Assembled w/ 53-400 F-217 Lined Cap

Item #45 - The Hach item (item #2756549) can no longer be provided by the vendor which was originally bid by the vendor for \$49.87 each. This item will be \$22.64 each which is lower than the original bid price.

Ricca Chemical
Electrode Storage Solution

Email This Page Print Page

★★★★★

Description

- For storing pH glass and combination electrodes



2795 (R2795000)

**Electrode Storage Solution
for Storing Glass and Combination pH Electrodes**

Product	Size	Container	Shelf Life
2795-16 (R2795000-500A)	500 mL	natural poly	24 months

4120R68

Mfr. No. 2795-16

Pkg. Size 500 mL

Description Storage Solution, 500 ml

Grade
Pkg. Type
Bottle, Poly

Exhibit A Pricing Page

Item No.	Manufacturer	Manufacturer Product No.	Description	Unit Measurement	Unit Cost	Vendor
3			40ML VIAL CLEAR	CS	\$ 57.76	Thomas Scientific
10			BOTTLE PE 1GAL 110MM 60/CS	CS	\$ 104.44	Thomas Scientific
11			BOTTLE SQ 250ML STERILE 48/CS	CS	\$ 99.08	Thomas Scientific
14			BOTTLE, STORAGE, OBLONG 118ML CAPACITY	PK	\$ 6.47	Thomas Scientific
21		ACN-5	GLASS AMPOULE, 5ML NITRIC ACID, CONCENTRATED	EA	\$ 63.83	Thomas Scientific
22		ACS-2	GLASS AMPOULE, 2ML, SULFURIC ACID, CONCENTRATED	EA	\$ 65.40	Thomas Scientific
23		ACH-5-1	GLASS AMPOULE, 5ML, 1:1 HYDROCHLORIC ACID	EA	\$ 70.58	Thomas Scientific
24	HACH	2635300	CHLORINE SPEC CHECK (LOW RANGE)	EA	\$ 242.55	Thomas Scientific
33			TUBING C-FLEX L/S 25 400/PK	PK	\$ 159.40	Thomas Scientific
34			ALCONOX (DETERGENT)	EA	\$ 32.41	Thomas Scientific
37			TUBING, TYGON, 1/4X3/8X1/16 EACH=1 FT. 50/PK	PK	\$ 6.79	Thomas Scientific
38			IRON AND PH COLOR DISC TEST KIT	EA	\$ 254.53	Thomas Scientific
40			PH PROBES	EA	\$ 108.77	Thomas Scientific
41			WIDE RANGE PH INDICATOR SOLUTION	EA	\$ 108.10	Thomas Scientific
42			DROPPER ASSEMBLY, 0.5 AND 1.0 ML (FOR BOTTLE 23184-16)	PK	\$ 18.05	Thomas Scientific
43			GLASS VIEWING TUBE	PK	\$ 29.74	Thomas Scientific
44			BUFFER SOLUTION KIT, COLOR-CODED, PH 4.01, PH 7.00 AND PH 10.01, 500 ML	EA	\$ 39.69	Thomas Scientific
45			PH ELECTRODE STORAGE SOLUTION, 500ML	EA	\$ 49.87	Thomas Scientific

46			ALUMINUM REAGENT POWDER PILLOW SET (ALUMINON REAGENT, ASCORBIC ACID, BLEACHING 3)	EA	\$ 191.44	Thomas Scientific
47			MANGANESE REAGENT POWDER PILLOW SET (CITRATE BUFFER, SODIUM PERIODATE)	EA	\$ 94.62	Thomas Scientific
49			PORTABLE PH & DISSOLVED OXYGEN METER HQ40D	EA	\$ 3,334.86	Thomas Scientific
50			MANGANESE TEST KIT MN-PAN	EA	\$ 268.65	Thomas Scientific
51			ALKALINITY TEST KIT AL-TA	EA	\$ 67.81	Thomas Scientific
52			HYDROPHILIC NYLON SYRINGE FILTERS, 0.45 UM, 25 MM DIA., LUER-LOCK CONNECTION,	BX	\$ 98.72	Thomas Scientific
53			ELECTRODE CLEANING SOLUTION, 500ML	EA	\$ 12.44	Thomas Scientific
54			IRON REAGENT POWDER PILLOW, 5ML, PK/100	PK	\$ 27.50	Thomas Scientific
55			IRON REAGENT POWDER PILLOW, 10ML, PK/100	PK	\$ 22.47	Thomas Scientific
56			PH ELECTRODE AND TEMPERATURE SENSOR (ALL-IN- ONE), SINGLE JUNCTION, EPOXY, POLY GEL-FILLED, SEALED, SIMI- DOME, ATC(WATER PROOF 6- PIN), BNC	EA	\$ 111.87	Thomas Scientific
58			KIMWIPES 4.4 X 8.4	BX	\$ 2.67	Thomas Scientific
62	ENVIRONMENTAL EXPRESS	SC0407	FILTERMATE, 0.45 UM PVDF W/PTFE-PREFILTER, 100/PK	PK	\$ 139.85	Thomas Scientific
63	Millipore Sigma	S6014-12KG	SODIUM BICARBONATE, 12 KG	EA	\$ 110.32	Thomas Scientific
66	AGILENT	G3266-65003	MICROMIST NEBULIZER (GLASS)	EA	\$ 752.18	Thomas Scientific
68	AGILENT	5188-6524	PA TUNING SOLUTION SET, 2 x 100mL	EA	\$ 894.05	Thomas Scientific
69	AGILENT	G1833-65569	AGILENT PERIPUMP TUBE SAMPLE INTRODUCTION	EA	\$ 94.49	Thomas Scientific

71	Inorganic Ventures	CGBE1-30mL	30 ML 1000 PPM BERYLLIUM, ICP-MS or ICP grade	EA	\$ 18.64	Thomas Scientific
72	Inorganic Ventures	CGCD1-30mL	30 ML 1000 PPM CADMIUM, ICP-MS or ICP grade	EA	\$ 18.64	Thomas Scientific
73	Inorganic Ventures	CGAS1-30mL	30 ML 1000 PPM ARSENIC, ICP-MS OR ICP GRADE	EA	\$ 18.64	Thomas Scientific
74	Inorganic Ventures	CGCR(6)1-30mL	30 ML 1000 PPM CHROMIUM +6, ICP-MS OR ICP GRADE	EA	\$ 18.64	Thomas Scientific
75	Inorganic Ventures	CGMN1-30mL	30 ML 1000 PPM MANGANESE, ICP-MS OR ICP GRADE	EA	\$ 18.64	Thomas Scientific
76	Inorganic Ventures	CGPB1-30mL	30 ML 1000 PPM LEAD, ICP-MS OR ICP GRADE	EA	\$ 18.64	Thomas Scientific
77	Inorganic Ventures	CGNI1-30mL	30 ML 1000 PPM NICKEL, ICP-MS OR ICP GRADE	EA	\$ 18.64	Thomas Scientific
78	Inorganic Ventures	CGY1-30mL	30 ML 1000 PPM YTTRIUM, ICP-MS OR ICP GRADE	EA	\$ 18.64	Thomas Scientific
79	Inorganic Ventures	CG6LI1-30mL	30 ML 1000 PPM LITHIUM6, ICP-MS OR ICP GRADE	EA	\$ 47.40	Thomas Scientific
80	Inorganic Ventures	CGIN1-30mL	30 ML 1000 PPM INDIUM, ICP-MS OR ICP GRADE	EA	\$ 18.64	Thomas Scientific
81	Inorganic Ventures	CGTB1-30mL	30 ML 1000 PPM TERBIUM, ICP-MS OR ICP GRADE	EA	\$ 20.21	Thomas Scientific
82	Inorganic Ventures	CGBI1-30mL	30 ML 1000 PPM BISMUTH, ICP-MS OR ICP GRADE	EA	\$ 18.64	Thomas Scientific
83	spex certiprep	PLBE2-2M	30 ML 1000 PPM BERYLLIUM, ICP-MS or ICP grade	EA	\$ 37.62	Thomas Scientific
84	spex certiprep	PLCD2-2M	30 ML 1000 PPM CADMIUM, ICP-MS or ICP grade	EA	\$ 26.28	Thomas Scientific
85	spex certiprep	PLAS2-2M	30 ML 1000 PPM ARSENIC, ICP-MS OR ICP GRADE	EA	\$ 25.58	Thomas Scientific
86	spex certiprep	SPEC-CR6M	30 ML 1000 PPM CHROMIUM +6, ICP-MS OR ICP GRADE	EA	\$ 29.00	Thomas Scientific
87	spex certiprep	PLMN2-2M	30 ML 1000 PPM MANGANESE, ICP-MS OR ICP GRADE	EA	\$ 25.58	Thomas Scientific
88	spex certiprep	PLPB2-2M	30 ML 1000 PPM LEAD, ICP-MS OR ICP GRADE	EA	\$ 25.58	Thomas Scientific
89	spex certiprep	PLNI2-2M	30 ML 1000 PPM NICKEL, ICP-MS OR ICP GRADE	EA	\$ 26.28	Thomas Scientific
90	PALL LABORATORY	7231	ANALYSLIDE 47MM; 100/PK	PK	\$ 87.69	Thomas Scientific

91	CT International	NIT102	POWDER FREE DISPOSABLE ANTISTATIC GLOVES, 100/PK	PK	\$ 181.28	Thomas Scientific
92	safeForce	20A00T531	GLASS DISPOSAL BOX, BENCH MODEL, 6/PK	PK	\$ 34.33	Thomas Scientific
94	ENVIRONMENTAL EXPRESS	SC505	DISPOSABLE WATCH GLASS FOR 50ML DIGESTION CUPS, 1000/PK,	PK	\$ 193.17	Thomas Scientific
95	NRD		STATIC ELIMINATING BRUSHES, 1 INCH REPLACEMENT CARTRIDGE	EA	\$ 97.72	Thomas Scientific
96	NRD		STATIC ELIMINATING BRUSHES, 3 INCH REPLACEMENT CARTRIDGE	EA	\$ 155.03	Thomas Scientific
97			ADHESIVE MAT W/30 LAYERS, 18" x 36", 4/CS	CS	\$ 44.03	Thomas Scientific
98	Dynalon	504004-0000	LIQUID DETERGENT FOR ULTRA SONIC BATH, SAFE FOR STAINLESS STEEL	EA	\$ 100.64	Thomas Scientific
100	United Scientific Supplies	PHP100	pH PAPER, 100/PK	PK	\$ 1.64	Thomas Scientific
101			UNISEX KNIT CUFF LAB COATS SMALL	EA	\$ 17.60	Thomas Scientific
102			UNISEX KNIT CUFF LAB COATS MEDIUM	EA	\$ 17.69	Thomas Scientific
103	Perkin Elmer	9908400	FORCEPS, NONSERRATED, STAINLESS STEEL	EA	\$ 76.72	Thomas Scientific
104	SP Bel-Art	H37922-0000	FORCEPS, NONSERRATED, PLASTIC	EA	\$ 34.32	Thomas Scientific
105	FINNPIPETTE	9402073	FINNTIP 5mL, 0.5-5mL, GREEN, STERILE, 5x54/RACK, 270/PK	PK	\$ 104.67	Thomas Scientific
106	FINNPIPETTE	9402163	FINNTIP 10mL, 1-10mL, RED, STERILE, 5x24/RACK, 120/PK	PK	\$ 53.79	Thomas Scientific
107	EPPENDORF	4423000010	EPPENDORF PIPET HELPER, MFR. NO. 4423000010	EA	\$ 81.64	Thomas Scientific
108	EPPENDORF	22491750	epT.I.P.S. RELOADS, PCR CLEAN, 50-1000µL, 71mm, BLUE, 960/CS	CS	\$ 85.85	Thomas Scientific
109	EPPENDORF	22491733	epT.I.P.S. RELOADS, PCR CLEAN, 2-200µL, 53mm, YELLOW, 960/CS	CS	\$ 79.12	Thomas Scientific

110	AGILENT	1535-4970	Oil Mist Filter Element For E2M18	EA	\$ 135.35	Thomas Scientific
117	MILLIPORE	1.09531.0001	PH TEST STRIPS	PK	\$ 17.53	Thomas Scientific
118	HACH	2105569	CHLORINE TESTING REAGENT PILLOWS	PK	\$ 27.72	Thomas Scientific
125			SECCHI DISK	EA	\$ 18.59	Thomas Scientific
132	Hach		Water Quality Multiparameter Kit, IR-23 IRON 0-7 PH4-10	EA	\$ 254.53	Thomas Scientific
134	HACH		DPD Free Chlorine Reagent 5mL Sample	PK	\$ 26.60	Thomas Scientific
135	HACH		SulfaVer 4 Sulfate Reagent 10mL Sample	PK	\$ 45.35	Thomas Scientific
138	JT Baker	9189-01	1-Butanol 500mL Photrex® Reagent	EA	\$ 79.49	Thomas Scientific
141			4 Liter/1 Gallon Nalgene Wide-Mouth HDPE Bottle with Closure	CS	\$ 132.85	Thomas Scientific
161			Lock-N-Seal Water/Coliform Sampling Vial	EA	\$ 157.33	Thomas Scientific
171			Chloride Quantab Test Strips 300-6000 MG/L	EA	\$ 68.51	Thomas Scientific

Item # 38 - The Hach item (#256200) can no longer be provided by the vendor which was originally bid at \$254.53 each. This item will be \$155.88.



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LaMotte

Combination Water Kit

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★★★★★

Description

Specifications

Popular AR-02 outfit provides tests for Hardness, Iron, and pH.

- Drop count tests for Hardness (10 ppm or 1 gpg/drop)
- Octa-Slide tests for Iron (0.5-10 ppm) and pH (5.0-10)
- Includes 100 tests for Iron and 50 tests for each pH and Hardness

0535H64

Mfr. No. 4783-03

Description Combination Water Kit

Description

Specifications

	Hardness	pH	Iron
Range:	1 drop = 10 ppm/1 gpg	5.0-10 ppm	0.5-10* ppm
Number of Tests:	50	50	50

*Higher concentrations by dilution; Instructions included.

Item # 47 - The Hach item (#2430000) can no longer be provided by the vendor which was originally bid at \$94.60 each. This item will be \$68.08 which is lower than the original bid price.



Lovibond

Manganese Hr Pwdr Rgt Set 10mL Pk100 UN1479

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★ ★ ★ ★ ★

Description

This reagent set contains Lovibond's Powder Pack™ Reagents. Powder Pack Reagents are pre-measured, unit dose reagents that have been formulated for use in Lovibond's Aqua Comparator Test Kits, the SC450 Single Parameter Colorimeter Series, MC500 Multi-Parameter Colorimeter, and the SP600 Spectrophotometer. These easy-to-use chemistries offer an extended shelf life and serve as a direct replacement to Hach® reagents. They can also be used in Hach® instruments. Why pay more for the same results? Lovibond will stand behind the comparability of results.

1226X45

Mfr. No. 535100

Description Manganese Hr Pwdr Rgt Set 10mL Pk100 UN1479

Item # 49 - The Hach item (#Lev015.53.2200) can no longer be provided by the vendor which was originally bid at \$3,334.86. This item will be \$2,121.51.each.



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Oakton

Oakton PD360 Waterproof Dual-Channel pH, ORP, and DO Smart Handheld Meter Kit

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★ ★ ★ ★ ★

Description

Extremely versatile—the meter automatically recognizes which sensors you plug in so you can easily switch parameters whenever you want. Select a meter with the number of channels you need (1, 2, or 3) and the sensors for the parameters you are measuring (pH, conductivity, or DO). Eliminate downtime with smart sensors that feature built-in calibration and measurement information. Rugged, waterproof and dustproof housing with an IP67 rating for use in any environment. Nonslip ergonomic design is comfortable to use and shock-proof and scratch-resistant. Easily view measurements with large color graphic TFT-LCD, even in dim lighting or bright outdoor sunlight. Download and analyze up to 10,000 data points easily with micro USB. Accurately measure pH, ORP, dissolved oxygen, and temperature. Get easy-to-read and accurate readings with auto-hold, auto-stable, and real-time measurements with stability indicators. The Environmental Express® Oakton® 300 series multiparameter meters utilize smart sensor technology with sensor heads that feature a built-in digital circuit for automatic sensor recognition. Sensor information including sensor ID, calibration data, and measurement setup is stored in sensor head and viewable on the meter display when sensor is connected.

Sensor heads are easy to connect and disconnect with waterproof push-lock connector. Sensor cartridges (pH and EC) are replaceable for a cost-efficient and environmentally friendly system. Blue LED light on the sensor head functions as a reading stability indicator, flashing until the reading is stable.

Meter stores up to 10,000 data sets with date-and-time stamp for accurate and easy analysis. Quickly transfer data from meter to computer seamlessly via USB cable or wirelessly via Wi-Fi.

Easily take measurements and conveniently store meter and electrodes with built-in foldable stand on the back of the meter. Three grooves on the meter serve as electrode holders, to hold up to three electrodes simultaneously.

21A00B959

Mfr. No. 3566078

Description

Oakton PD360 Waterproof Dual-Channel pH, ORP, and DO Smart Handheld Meter Kit

Item # 51 - The Hach item (item #2314500) can no longer be provided by the vendor which was bid at \$67.81 each. This item will be \$64.15 each.



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LaMotte

Alkalinity Test Kit

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★★★★★

Description

Applications: Drinking Water, Industrial Water Boiling and Cooling, Water and Wastewater

This Alkalinity Test Kits uses a Direct Reading Titrator with standard acid to the phenolphthalein (P) and/or total (T) alkalinity endpoint. Range and sensitivity is 0-200 ppm as CaCO₃ in 4 ppm increments.

of Tests: 50 at 200 ppm

0535G07

Mfr. No. 3467-01

Description Alkalinity Test Kit

ALSO SEE LAMOTTE PDF ATTACHED

Item # 46 - The Hach item (#2242000) can no longer be provided by the vendor which was originally bid at \$191.44 each. This item will be \$154.18 each which is lower than the original bid price.



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Lovibond

Aluminum Pwdr Pk Rgt Set 10mL UN1328

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★★★★★

Description

This reagent set contains Lovibond's Powder Pack™ Reagents. Powder Pack Reagents are pre-measured, unit dose reagents that have been formulated for use in Lovibond's Aqua Comparator Test Kits, the SC450 Single Parameter Colorimeter Series, MC500 Multi-Parameter Colorimeter, and the SP600 Spectrophotometer. These easy-to-use chemistries offer an extended shelf life and serve as a direct replacement to Hach® reagents. They can also be used in Hach® instruments. Why pay more for the same results? Lovibond will stand behind the comparability of results.

1226X13

Mfr. No. 535000

Description Aluminum Pwdr Pk Rgt Set 10mL UN1328

Item # 54 - The Hach item (item #92799) can no longer be provided by the vendor which was originally bid at \$27.50 per pack. This item will be the same price of \$27.50.



MACHEREY-NAGEL
VISOCOLOR PP Iron - 100 Pillows

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★★★★★

Description

VISOCOLOR Powder Pillows Iron reagent set for photometric determination of Iron. Ideal for drinking water and waste water analysis. Measuring range. 0.03 - 3.00 mg/L Fe

CHM03Q310

Mfr. No. 936227

Description VISOCOLOR PP Iron - 100 Pillows

Reagent powder pillows for photometric determination of iron. Powder pillows combine easy dosing with photometric precision. Ideal for drinking water and waste water analysis. They can be used in HACH® photometers without calibration.

Platform	Powder Pillows
Brand	VISOCOLOR
Parameter	Iron
Instrumental measuring range	Iron - 0.03-3.00 mg/L Fe
Evaluable on photometer	Advance, PF-3 Drinking Water, PF-3 Pool, PF-12Plus, UV/VIS II, VIS II
Test No.	7-27
Method	Iron - 1,10-Phenanthroline
Sea water analysis	Yes
Storage temperature	18-25 °C
Shelf life (from production)	3 Years
Remark	* HACH is a registered trademark of HACH company, Loveland, Colorado. The VISOCOLOR product is neither endorsed, nor sponsored by or affiliated with the HACH Company.
Scope of delivery	100 Powder Pillows in a bag
Hazardous material	Yes

ALSO SEE SDS SHEET ATTACHED

Item # 118 Information

SPECIAL-530180

VARIO Chlorine Free DPD F10

For measuring free chlorine with the PowderPack - 10 ml

★ Add to quotation cart



Part Number 530180

Highlights

- Green Chemistry without boric acid
- Easy to use
- High quality standard
- Fast dissolving

The fast and easy use of VARIO Powder Packs has made them extremely popular for water testing applications in many countries throughout the world.

The Lovibond® Powder Pack programme provides users with a real alternative to existing measurement systems.

The Vario Powder Packs are produced to the same high quality standards that have made Tintometer's tablet reagents so successful for several decades

Parameters from aluminium and chlorine through to sulphate are just some of the well-known tests that are included in the VARIO Powder Pack range. Their chemical properties make them compatible to Hach® devices *

Range

Downloads

SDS

Videos

Parameter and Range

Chlorine MR PP 0.02 - 3.5 mg/L Cl₂ ^{a)}

Method No.

M113

Instrument Type

MD 100 Chlorine DUO, Chlorine HR pH, Alkalinity-m, Calcium hardness (OTZ)

MD 600

MD 600 Photometer Series

MD 610

MD 640

PM 620

PM 630

SEE SDS ATTACHED

Item # 118 - The Hach item (#2105569) can no longer be provided by the vendor which was originally bid at \$27.72. This item will be \$20.54.

SPECIAL-530180

VARIO Chlorine Free DPD F10

For measuring free chlorine with the PowderPack - 10 ml

Title	Packaging Unit	Part Number
VARIO Chlorine Free DPD F10 Powder reagents are extremely popular in water testing applications worldwide. They are fast and easy to use. See our range of powder reagents today.	Powder / 100 pc.	530180

ALSO SEE SDS ATTACHED

Item # 24 - The Hach item (#2635300) can no longer be provided by the vendor which was originally bid at \$242.55 each. This item will be \$188.48 which is lower than the original bid price.



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LaMotte
DPD Chlorine - Bromine - pH Test Kit
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★★★★★

Description Additional Info

- Kit Contains:**
- 100 Chlorine DPD #1 Tablets
 - 50 Phenol Red Tablets
 - 3 Test Tubes, 2.5, 5, 10 mL, plastic w/ caps
 - 1 Chlorine/Bromine Octa-Slide 2 Bar
 - 1 Phenol Red Octa-Slide 2 Bar, pH 6.8-8.2
 - 1 Octa-Slide 2 Viewer

8700G01
Mfr. No. 6896-01
Description DPD Chlorine - Bromine - pH Test Kit

SEE PDF “DPD Chlorine-Bromine pH Test Kit” attached

Item # 135 - The Hach item (#2106769) can no longer be provided by the vendor which was originally bid at \$45.35 per pack. This item will be \$34.09 per pack.



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Lovibond
Sulfate 4 Reagent Powders

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★★★★★

Description

Powder Pack Reagents are pre-measured, unit dose reagents that have been formulated for use in Lovibond's Aqua Comparator Test Kits, the SC450 Single Parameter Colorimeter Series, MC500 Multi-Parameter Colorimeter, and the SP600 Spectrophotometer. These easy to use chemistries offer an extended shelf life and serve as a direct replacement to Hach® reagents. They can also be used in Hach® instruments. Why pay more for the same results? Lovibond will stand behind the comparability of results.

1226X78

Mfr. No. 532160

Description Sulfate 4 Reagent Powder Pk 10mL Pk100 UN1564

SEE SDS ATTACHED

VARIO Sulfa 4 F10

Add to quotation cart



Part Number 532160

Highlights

- Easy to use
- High Quality Standard
- Rapid dissolution
- Popular in many countries

The fast and easy use of VARIO Powder Packs has made them extremely popular for water testing applications in many countries throughout the world. The Lovibond® Powder Pack programme provides users with a real alternative to existing measurement systems. The Vario Powder Packs are produced to the same high quality standards that have made Tintometer's tablet reagents so successful for several decades. Parameters from aluminum and chlorine through to sulphate are just some of the well-known tests that are included in the VARIO Powder Pack range. Their chemical properties make them compatible to Hach® devices.*

Range	Downloads	SDS	Videos
Parameter and Range	Method No.		
Sulphate HR PP 50 - 1000	M361	Instrument Type	
		ML 600	
		MC 600 Photometer Series	
		MD 610	
Sulphate PP 5 - 100 mg/L SO ₄ ²⁻	M360	MD 640	
		MD 100 Cooling Water	
		MD 110 Cooling Water	
		MD 600	
		MD 600 Photometer Series	
		MD 610	
		MD 640	
		PM 620	
		PM 610	
		Spectrophotometer XD 7000 (VIS)	
		Spectrophotometer XD 7500 (UV-VIS)	
		XD Spectrophotometer	

Item # 134 - The Hach item (#1407799) can no longer be provided by the vendor which was originally bid at \$26.60 per pack. This item will be \$19.83.



Lovibond

DPD Free & Total Chlorine Reagents

 Email This Page  Print Page

★ ★ ★ ★ ★

To request your free sample please email marketing@thomassci.com

Description

Powder Pack Reagents are pre-measured, unit dose, reagents in a convenient foil package.

These DPD reagents have been specifically formulated and will provide accurate results with Lovibond and other manufacturer's spectrophotometers, colorimeters and test kits.

Lovibond Powder Pack Reagents are:

- **US EPA accepted** for reporting drinking water analysis
- **Easier to Handle** -- Our design is 37% larger than the competition which makes them easier to handle (especially by people with larger hands!)
- **Easier to Open** -- No scissors necessary! Our Powder Pack reagents have a defined "easy open notch" that makes it simple to tear open the package
- **Easier to Dispense and Pour** -- Our foil easily forms a "V" to allow the user to pour the powder into the sample. We also beveled the bottom edge which ensures no reagent gets stuck in the corners
- **Competitively priced** -- make your lab budget go further by cutting cost... not quality!

1226X14

Mfr. No. 530090

Description DPD Free Chlorine Reagent Powder 5mL Pk100

SEE SDS ATTACHED

Item # 50 - The Hach item (#2350800) can no longer be provided by the vendor which was originally bid at \$268.65 each. This item will be \$88.43.



LaMotte

MANGANESE TEST KIT

[Email This Page](#) [Print Page](#)

★ ★ ★ ★ ★

Description

The Low Range Manganese test kit measures Manganese levels at 0.05, 0.1, 0.2, 0.4, 0.6, 0.8 and 1.0 ppm using the Octa-Slide 2 Comparator

9591D41

Mfr. No. 3588-02

SEE PDF ATTACHED FOR 9591D41, LAMOTTE 3588-02

Item # 41 - The Hach item (#2329353) can no longer be provided by the vendor which was originally bid at \$108.10 each. This item will be \$7.77 which is lower than the original bid price.

LaMotte

Wide Range Indicator (pH Reagent 3) 60ml

[Email This Page](#) [Print Page](#)

★ ★ ★ ★ ★



0534V43

Mfr. No. 2218-H

Description Wide Range Indicator (pH Reagent 3) 60ml

Item # 171 - The Hach item (item #2751340) can no longer be provided by the vendor which was originally bid at \$68.51 each. This item will be the same price of \$68.51.

Special-2998-H-12



Home > Products > Pool and Spa > Pool and Spa Professional Products > Insta-TEST® Professional Test Strips > Insta-TEST® Pro > Insta-TEST® PRO



Insta-TEST® PRO Sodium Chloride (Salt) Test Strips

Order Code #: 2998-H-12

Insta-TEST® PRO Salt strip measures from 1500, 2000, 2500, 3000, 3500, 4000, and 5000 ppm in 20 seconds. The salt strips are packaged with 50 strips per bottle with English, French, and Spanish instructions in a 12-pack case.

Price on Request

- FEATURES
- SPECIFICATIONS
- DOWNLOADS

Insta-TEST® PRO Salt strip measures from 1500, 2000, 2500, 3000, 3500, 4000, and 5000 ppm in 20 seconds. The salt strips are packaged with 50 strips per bottle with English, French, and Spanish instructions in a 12-pack case.

Test Factor	Range	Strips per Bottle
Sodium Chloride (Salt)	1500, 2000, 2500, 3000, 3500, 4000, and 5000 ppm	50

Ship Code: (NH) Non-Hazardous Material - No Fees Applicable

Ship Weight in lbs.: 1



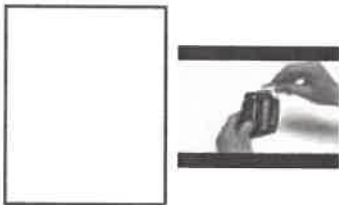
longer be provided by the vendor which was originally bid at \$763.59. This item will be \$155.88 which is lower than the original bid price.

Home Model AR-02 Drinking Water Test Kit

Model AR-02 Drinking Water Test Kit

Order Code 4783-03

Popular AR-02 outfit provides tests for Hardness, Iron, and pH. Drop count tests for Hardness (10 ppm or 1 gpg/drop). Octa-Slide tests for Iron (0.5-10 ppm) and pH (5.0-10). Includes 100 tests for Iron and 50 tests for each pH and Hardness.



FEATURES

SPECIFICATIONS

Model AR-02 Drinking Water Test Kit

Test Factor	Range	# of Tests
Hardness	1 drop = 10 ppm/1 gpg	50
pH	5.0-10 ppm	50

Test Factor	Range	# of Tests
Iron	0.5-10* ppm	90

* Higher Concentrations by dilution; instructions included.

Item # 44 - The Hach Item (2947600) can no longer be provided by the vendor which was originally bid at \$396.90 each. This item (# 721250) will now be \$30.86.

Lovibond® Water Testing

Tintometer® Group



Set soluzione tampone pH pH 4, pH 7, pH 10 (25 °C)

For water analysis in laboratories or mobile



- Traceable to NIST standard reference materials
- Convenient wide neck round bottle
- Certificate of Analysis: www.chargenzeu-gnis.de

N. ordine: 721250

Set soluzione tampone pH pH 4, pH 7, pH 10 (25 °C)

Lovibond's color-coded pH buffer solutions are suitable for calibrating pH electrodes with all types of pH meters, whether using automatic buffer recognition or manually adjustable pH values. Only standard reference materials traceable to NIST are used for production. The practical wide-neck round bottle can be used as a calibration vessel and can be simply refilled with our dosing bottles.

Dati tecnici

Description	Soluzione di calibrazione
Valore di pH a 25 °C	<ul style="list-style-type: none"> – 4.01 ± 0.01 pH – 7.00 ± 0.015 pH – 10.01 ± 0.03 pH
Quantità	je 90 ml
Colore della soluzione	pH 4: rosso pH 7: giallo pH 10: blu
NIST tracciabile	si
Certificato	si
Condizioni di stoccaggio	5 - 25 °C
Durata di conservazione (non aperto)	18 mesi
Tipo di bottiglia	Bottiglia a collo largo DIN 40
Diametro interno	32 mm

water testing



Item # 44 - The Hach item (2947600) can no longer be provided by the vendor which was originally bid at \$396.90 each.

This item (Special-721250) will now be \$30.86 each.

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 11.10.2022

Version number 6 (replaces version 5)

Revision: 11.10.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
 - **Product name:** Buffer solution pH 7.00 (25°C) / N.I.S.T
 - **Catalog number:** 721248, 721250 - 7, 721254, 00721254, 00721248, 721248-0
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 - **Application of the substance / the preparation:** Standard Solution for calibration purposes
- **1.3 Details of the supplier of the safety data sheet**
 - **Supplier:**
 - Tintometer GmbH
 - Schleefstraße 8-12
 - 44287 Dortmund
 - Made in Germany
 - www.lovibond.com
 - **The Tintometer Limited**
 - Lovibond® House
 - Sun Rise Way
 - Amesbury
 - Wiltshire SP4 7GR
 - United Kingdom
 - **Informing department:**
 - e-mail: sds@lovibond.com
 - Product Safety Department
- **1.4 Emergency telephone number:**
 - +44 1235 239670
 - Languages: English

phone: +49 (0)231 94510-0
e-mail: sales@lovibond.com

phone : +44 1980 664800
e-mail: SDS@lovibond.uk

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
 - **Classification according to Regulation (EC) No 1272/2008**
The product is not classified as hazardous according to the GB CLP regulation.
- **2.2 Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008** Void
 - **Hazard pictograms** Void
 - **Signal word** Void
 - **Hazard statements** Void
- **2.3 Other hazards** No further relevant information available.
- **Results of PBT and vPvB assessment**
This mixture does not contain any substances that are assessed to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB), according to the criteria given in Annex XIII of Regulation (EC) No. 1907/2006.
- **Determination of endocrine-disrupting properties**
The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
 - **Description:** aqueous buffer solution
 - **Dangerous components:** Void

Product name: Buffer solution pH 7.00 (25°C) / N.I.S.T

(Contd. of page 1)

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact**
Rinse opened eye for several minutes under running water (at least 15 min). If symptoms persist, consult doctor.
- **After swallowing**
Rinse out mouth and then drink 1-2 glasses of water.
In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture** The product is not combustible.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained breathing apparatus.
Wear full protective suit.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter drains.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Ambient fire may liberate hazardous vapours.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
- **Advice for non-emergency personnel:** No special measures required.
- **Advice for emergency responders:** Protective equipment: see section 8
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or water bodies.
Dilute with much water.
- **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, universal binders).
Dispose of contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
- **Advice on safe handling:** No special precautions necessary if used correctly.
- **Hygiene measures:**
The usual precautionary measures should be adhered to general rules for handling chemicals.
Do not eat, drink or smoke when using this product.
Wash hands during breaks and at the end of the work.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and containers:** Store in cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Protect from the effects of light.
Protect from humidity and keep away from water.
- **Recommended storage temperature:** 20°C +/- 5°C

(Contd. on page 3)

GB ---

Product name: Buffer solution pH 7.00 (25°C) / N.I.S.T

(Contd. of page 2)

- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **Additional information:** The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls

- Engineering measures:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See item 7.

- Individual protection measures, such as personal protective equipment

Protective clothing should be selected specifically for the workplace, depending on concentration and quantity of the hazardous substances handled.

- Eye/face protection

Safety glasses

use against the effects of fumes / dust

- Hand protection

Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

- Material of gloves

nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.11 mm

- Penetration time of glove material

Value for the permeation: Level = 1 (< 10 min)

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Other skin protection (body protection):

Protective work clothing.

- Breathing equipment:

Use breathing protection against the effects of fumes/dust/aerosol.

- Recommended filter device for short term use:

Filter B

- Environmental exposure controls

Do not allow product to reach sewage system or water bodies.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- Physical state

Fluid

- Form:

Liquid

- Colour:

Yellow

- Odour:

Odourless

- Odour threshold:

Not applicable.

- Melting point/Freezing point:

Not determined.

- Boiling point or initial boiling point and boiling range

100°C

- Flammability

The product is not combustible.

- Explosive properties:

Product is not explosive.

- Lower and upper explosion limit

- Lower:

Not applicable.

- Upper:

Not applicable.

- Flash point:

Not applicable.

- Ignition temperature:

Not applicable.

- Decomposition temperature:

Not applicable.

- pH at 20°C

7

- Kinematic viscosity

Not determined.

- Solubility

- Water:

Fully miscible

- Partition coefficient n-octanol/water (log value)

Not applicable (mixture).

- Vapour pressure:

Not determined.

- Density and/or relative density

- Density at 20°C:

1 g/cm³

(Contd. on page 4)

GB —

Product name: Buffer solution pH 7.00 (25°C) / N.I.S.T

(Contd. of page 3)

· Relative density:	Not determined.
· Relative gas density	Not determined.
· Particle characteristics	Not applicable (liquid).
· 9.2 Other information	
· Information with regard to physical hazard classes	
· Corrosive to metals	Void
· Other safety characteristics	
· Oxidising properties:	none
· Additional information	
· Solids content:	> 1 %
· Solvent content:	
· Water:	< 99 %

SECTION 10: Stability and reactivity

- **10.1 Reactivity** see section 10.3
- **10.2 Chemical stability** Stable at ambient temperature (room temperature).
- **10.3 Possibility of hazardous reactions**
Violent reactions possible with:
The generally known reaction partners of water.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** see section 5

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT (specific target organ toxicity) -single exposure** Based on available data, the classification criteria are not met.
- **STOT (specific target organ toxicity) -repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **Other information** No further relevant information available.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
This mixture does not contain any substances that are assessed to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB), according to the criteria given in Annex XIII of Regulation (EC) No. 1907/2006.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

(Contd. on page 5)

GB —

Product name: Buffer solution pH 7.00 (25°C) / N.I.S.T

· **12.7 Other adverse effects** Avoid transfer into the environment.

(Contd. of page 4)

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

· European waste catalogue

16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
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· Uncleaned packagings:

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

· 14.1 UN number or ID number

· **ADR, IMDG, IATA** Void

· 14.2 UN proper shipping name

· **ADR, IMDG, IATA** Void

· 14.3 Transport hazard class(es)

· **ADR, IMDG, IATA**

· **Class** Void

· 14.4 Packing group

· **ADR, IMDG, IATA** Void

· **14.5 Environmental hazards:** Not applicable.

· **14.6 Special precautions for user** Not applicable.

· **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

· **Transport/Additional information:** Not dangerous according to the above specifications.

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· **Regulation (EU) 2019/1148 on the marketing and use of explosives precursors** not regulated

· **Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals (PIC)**

None of the ingredients is listed.

· **Regulation (EC) No 1334/2000 setting up a Community regime for the control of exports of dual-use items and technology:**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)**

None of the ingredients is listed.

(Contd. on page 6)

Product name: Buffer solution pH 7.00 (25°C) / N.I.S.T

(Contd. of page 5)

· LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients is listed.

· Substances of very high concern (SVHC) according to REACH, Article 57

This product does not contain any substances of very high concern above the legal concentration limit of $\geq 0.1\%$ (w / w).

· Substances of very high concern (SVHC) according to UK REACH

This product does not contain any substances of very high concern above the legal concentration limit of $\geq 0.1\%$ (w / w).

· Directive 2012/18/EU (SEVESO III):

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Information about limitation of use: Not required.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Training hints Provide adequate information, instruction and training for operators.

· Abbreviations and acronyms:

STOT: specific target organ toxicity

SE: single exposure

RE: repeated exposure

EC50: half maximal effective concentration

IC50: half maximal inhibitory concentration

NOEL or NOEC: No Observed Effect Level or Concentration

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

· Sources Data arise from safety data sheets, reference works and literature.

· * Data compared to the previous version altered.