

CATALOGUE

Chemical Reagents

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Ammonium chloride

Laboratory Reagent

NH₄Cl MW=53.49**Product code:** 301111000/5000**C.A.S. :** 12125-02-9**EINECS :** 235-186-4

Assay (by argentometry) %	Min 99	1 kg
Sulfate (SO ₄) %	Max 0.015	5 kg
Heavy metals (as Pb) %	Max 0.001	
Arsenic (As) %	Max 0.0003	
Lead (Pb) %	Max 0.001	
Calcium (Ca) %	Max 0.02	
Iron (Fe) %	Max 0.002	
Copper (Cu) %	Max 0.0025	
Zinc (Zn) %	Max 0.0025	
Residue on ignition (800°C) %	Max 0.1	
pH (5% solution)	4.5-5.5	
Loss on drying (105°C) %	Max 0.5	



H315-H319

P280-P305-P351-P338-P362-P321-P332-P313-P337-P313

Ammonium Dihydrogen Orthophosphate A.R

Laboratory Reagent

NH₄H₂PO₄**Product code:** 301360500**C.A.S. :** 7722-76**500 gr**

Assay (Acidimetric) %	MIN 99.0
pH of (5% soln in CO ₂ free water)	4.0-4.5
Insoluble matter %	MAX 0.005
Chloride (Cl) %	MAX 0.0005
Nitrate (NO ₃) %	MAX 0.001
Sulfate (SO ₄) %	MAX 0.005
Arsenic (As) %	MAX 0.0001
Copper (Cu) %	MAX 0.0005
Iron (Fe) %	MAX 0.001
Lead (Pb) %	MAX 0.0005

H315-H319-H335
P261-P305-P351-P338-P302-P352-P321-P362-P332-P313
P352-P332-P313-P405-P501

Ammonium iron (II) sulfate hexahydrate

Laboratory Reagent

FeH₄N₂O₈·6H₂O MW=392.14**Product code:** 304020500/1000**C.A.S. :** 7783-85-9**EINECS :** 233-382-4

Assay (oxidimetric) %	Min 98.5	500 gr
Chloride (Cl) %	Max 0.005	1 kg
Ferric ion (Fe) %	Max 0.05	



H315-H319-H335

P261-P305-P351-P338-P302-P352-P321-P405-P501

Ammonium molybdate tetrahydrate

Laboratory Reagent

H₂Mo₇N₄O₂₄·4H₂O MW=1235.90**Product code:** 301340250**C.A.S. :** 12054-85-2**EINECS :** 234-722-4**250 gr**

Assay %	Min 98
Sulfate (SO ₄) %	Max 0.02
Chloride (Cl) %	Max 0.002
Phosphate, arsenate, silicate (as PO ₄) %	Max 0.002
Lead (Pb) %	Max 0.002
Iron (Fe) %	Max 0.005



H315-H319-H335

P261-P280-P305-P351-P338-P304-P340-P405-P501

Ammonium iron (III) sulfate dodecahydrate

Laboratory Reagent

NH₄Fe₃(SO₄)₁₂·12H₂O MW=482.18**Product code:** 300920500**C.A.S. :** 7783-83-7**EINECS :** 233-382-4**500 gr**

Assay (Iodometry) %	98 - 101
Chloride (Cl) %	Max 0.002
Zinc (Zn) %	Max 0.005
Lead (Pb) %	Max 0.002
Iron II Fe(II) %	Max 0.002
Copper (Cu) %	Max 0.002
Substances not precipitable by NH ₃ (as SO ₄) %	Max 0.1



H315-H319

P280-P305-P351-P338-P302-P352-P321-P362-P332-P313

Bromophenol blue

Analytical Reagent

C₁₇H₁₀Br₂O₅ MW=669.98**Product code:** 402020025**C.A.S. :** 115-39-9**EINECS :** 204-086-2**25 gr**

pH 3.0 - 4.6	Yellow to Blue
Loss on drying (105°C) %	Max 1.0
transition range pH 3.0 - 4.5	Greenish yellow - blue violet

Bromocresol green indicator

Analytical Reagent

C₂₁H₁₆Br₂O₅ MW=698.04**Product code:** 402070005**C.A.S. :** 76-60-8**EINECS :** 200-972-8**5 gr**

Dye content (By spectrophotometry) %	Min 95
IR spectrum	Passes test
pH 3.8-5.4	Yellow to blue
Appearance of solution	Conforms
Loss on drying (at 110°C) %	Max 3
Transition range (according to ACS)	Passes test
Sensitivity test	Passes test

Bromothymol blue

Analytical Reagent
 $C_{10}H_6Br_2O_3S$ MW=624.40

Product code: 402120025

C.A.S. : 76-59-5

25 gr

EINECS : 200-971-2

pH transition 6.0-7.6
Loss on drying (110°C) %

Yellow to blue
Max 3.0

Buffer solution pH 4.0

Laboratory Reagent

Product code: 216091000

1 L

Buffer pH 4 at 20°C

Tolerance

+/- 0.01

Description :

Clear pink liquid

Buffer solution pH 7.0

Laboratory Reagent

Product code: 216101000

1 L

Buffer pH 7 at 20°C

Tolerance

+/- 0.01

Description :

Clear yellow liquid

Buffer solution pH 10.0

Laboratory Reagent

Product code: 216061000

1 L

Buffer pH 10 at 20°C

Tolerance

+/- 0.01

Description :

Clear blue liquid

Copper (II) sulfate pentahydrate

Laboratory Reagent
 $CuSO_4 \cdot 5H_2O$ MW=249.68

Product code: 302890500

C.A.S. : 7758-99-8

500 gr

EINECS : 231-847-6

Assay %

98.5 - 101

Chloride (Cl) %

Max 0.005

Iron (Fe) %

Max 0.05

Potassium (K) %

Max 0.005

Sodium (Na) %

Max 0.01



H400-H410-H302-H315-H319
P260-P273-P501

D-(+)-Glucose anhydrous

Laboratory Reagent
 $C_6H_{12}O_6$ MW=180.16

Product code: 507120500/1000

C.A.S. : 50-99-7

500 gr

EINECS : 207-757-8

Specific rotation (20/D,10% water, on dried substance) +52.5° to +53.2°

pH (10%; water)

5.7 - 7.0

Chloride (Cl) %

Max 0.0125

Maltose %

Max 0.2

Heavy metals (as Pb) %

Max 0.001

Arsenic (As) %

Max 0.0001

Lead (Pb) %

Max 0.00005

Calcium (Ca) %

Max 0.02

Sulfate (So₄) %

Max 0.02

Water (KF) %

Max 0.2

Sulfated ash %

Max 0.1

ETHYLENE DIAMINE TETRA ACETIC ACID DISODIUM SALT AR

Analytical Reagent
 $C_{10}H_{16}N_4Na_4O_{16} \cdot 2H_2O$ MW=372.24

Product code: 105040500

C.A.S. : 6381-92-6

500 gr

Assay (chelometric;
on anhydrous substance) %

99 - 101

pH (5% water)

4 - 5

Heavy metals (as Pb) %

Max 0.001

Iron (Fe) %

Max 0.0005

Copper (Cu) %

Max 0.00025

Insoluble matter in water %

Max 0.005

Nitritotriacetic acid %

Max 0.05

Chloride (Cl) %

Max 0.01

Sulfate (SO₄) %

Max 0.02

Calcium (Ca) %

Max 0.002

Nickel (Ni) %

Max 0.0005

Lead (Pb) %

Max 0.0005

Water %

9 - 10

IRON (III) CHLORIDE ANHYDROUS LR

Laboratory Reagent

Product code: 309071000

$FeCl_3$ MW=162.21

C.A.S. : 7705-08-0

1000 gr

Assay (iodometric) %

Min 98%

Melting point

About 305°C

Iron (III) Chloride hexahydrate

Analytical Reagent
 $FeCl_3 \cdot 6H_2O$ MW=270.30

Product code: 309030500

C.A.S. : 10025-77-1

500 gr

EINECS : 231-729-4

Assay %

99.0-102.0

Insoluble matter %

Max 0.01

Nitrate (NO₃) %

Max 0.01

Phosphate (PO₄) %

Max 0.01

Sulfate (SO₄) %

Max 0.01

Copper (Cu) %

Max 0.003

Iron (II) (Fe) %

Max 0.002

Calcium (Ca) %

Max 0.01

Arsenic (As) %

Max 0.0005

Zinc (Zn) %

Max 0.003

Magnesium (Mg) %

Max 0.005

Sodium (Na) %

Max 0.05

Potassium (K) %

Max 0.005



H314-H302

P280-P305-P351-P338-P309-P310

Iron (III) nitrate nonahydrate

Laboratory Reagent
 $Fe(NO_3)_3 \cdot 9H_2O$ MW=404.00

Product code: 309150500

C.A.S. : 7782-61-8

500 gr

EINECS : 233-899-5

Assay (oxidimetric) %

Min 98

Chloride (Cl) %

Max 0.01

Sulfate (SO₄) %

Max 0.02

Ferrous Iron (Fe) %

Max 0.01

Manganese (Mn) %

Max 0.02



H272-H315-H319

P221-P210-P305-P351-P338-P302-P352-P321-P501

Iron (III) nitrate nonahydrate

Laboratory Reagent
 $\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$ MW =404.00

Product code: 309150500

C.A.S. : 7782-61-8

500 gr

EINECS : 233-899-5

Assay (oxidimetric) %	Min 98
Chloride (Cl) %	Max 0.01
Sulfate (SO_4) %	Max 0.02
Ferrous Iron (Fe) %	Max 0.01
Manganese (Mn) %	Max 0.02



H272-H315-H319
P221-P210-P305-P351-P338-P302-P352-P321-P501

Iron (II) sulfate heptahydrate

Analytical Reagent
 $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ MW =278.01

Product code: 309210500

C.A.S. : 7782-63-0

500 gr

EINECS : 231-753-5

Assay %	99.0
Ferric ion (Fe) %	Max 0.1
Copper (Cu) %	Max 0.005
Insoluble matter %	Max 0.01
pH (5% water)	3.0 - 4.0
Chloride (Cl) %	Max 0.001
Phosphate (PO_4) %	Max 0.001
Manganese (Mn) %	Max 0.05
Zinc (Zn) %	Max 0.005
Calcium (Ca) %	Max 0.005
Magnesium (Mg) %	Max 0.002
Potassium (K) %	Max 0.002
Sodium (Na) %	Max 0.02



H302-H315-H319
P301-P310-P315

Methyl orange

Analytical Reagent
 $\text{C}_{14}\text{H}_{14}\text{N}_2\text{NaO}_5$ MW =327.33

Product code: 413170100

C.A.S. : 547-58-0

100 gr

EINECS : 208-925-3

Dye content %	Min 95
Solubility 0.1% in water	Clear solution
Transition range (pH 3.1 - 4.4)	Pink - Orange-Yellow
Absorption maxima (pH 3.1) λ_1	Max. 501 - 504 nm
Absorption maxima (pH 4.4) λ_2	Max. 467 - 471 nm
Absorptivity maximum (A1%/1 cm at pH 3.1, at λ_1 max)	1050 - 1150
Absorptivity maximum (A1%/1cm at pH 4.4, at λ_2 max)	750 - 850
Loss on drying (at 110 °C) %	Max 3



H301
P264-P270-P301-P310-P321-P405-P501A

Methylene blue

Analytical Reagent
 $\text{C}_{16}\text{H}_{18}\text{ClN}_5 \cdot \text{XHO}$ MW=319.859 (Anhydrous)

Product code: 4131200250100

C.A.S. : 61-73-4

25 gr
100 gr

EINECS : 200-515-2

Assay %	95 - 101
Identity	Passes test
Solubility	Passes test
Methanol insoluble substances %	Max 1
Related substances	Passes test
Iron (Fe) %	Max 0.01
Lead Pb) %	Max 0.001
Zinc (Zn) %	Max 0.001
Sulfated ash (at 600°C) %	Max 0.25
Loss on drying (at 105°C) %	8 - 22



H302
P264-P270-P301-P312-P330-P501A

PHENOLPHTHALEIN LAB

Laboratory Reagent PH.Eur
 $\text{C}_{20}\text{H}_{14}\text{O}_4$

Product code: 416140100

C.A.S. : 77-09-8

100 gr

Assay (on dried subs) %	Min 98.0
Melting Point	261 - 263°C
pH Transition Range	pH 8.2 - 9.8 Colourless - red violet
Absorption maxima (in pH 9.8)	551 - 554 nm
Clarity of solution	To pass the test.
Absorptivity (A1% / 1 cm at (pH 9.8); on dried substance)	700 - 750



H350-H341-H361
P281-P201-P202-P308-P313-P405-P501a

1,10-Phenanthroline monohydrate

Analytical Reagent
 $\text{C}_{12}\text{H}_8\text{N}_2 \cdot \text{H}_2\text{O}$ MW=198.23

Product code: 216120005

C.A.S. : 5144-89-8

5 gr

EINECS : 200-629-2

Assay %	Min 99.5
Melting point °C	17 - 119
Molar adsorptivity of fe complex	Min 11700
Sensitivity to iron	1:10,000,000
Melting point (on dried substance) °C	117 - 120
Sulfated ash %	Max 0.05



H304-H400-H410
P273-P264-P301-P321-P405-P501

Potassium hydroxide pellets

Analytical Reagent

KOH MW =56.11

Product code: 316250500/1000

C.A.S. : 1310-58-3

EINECS : 215-181-3

	500 gr
	1 kg
Assay of KOH %	85 - 100.5
Identification	Passes test
Appearance of solution	Passes test
Carbonate (as K ₂ CO ₃) %	Max 1
Chloride (Cl) %	Max 0.002
Sulfate (SO ₄) %	Max 0.0005
Phosphate (PO ₄) %	Max 0.0005
Silicate (SiO ₂) %	Max 0.005
Total nitrogen (N) %	Max 0.0003
Heavy metals (Pb) %	Max 0.0005
Iron (Fe) %	Max 0.001
Arsenic (As) %	Max 0.0001
Magnesium (Mg) %	Max 0.005
Copper (Cu) %	Max 0.001
Calcium (Ca) %	Max 0.001
Nickel (Ni) %	Max 0.0005
Sodium (Na) %	Max 0.5



H314-H302

P260-P303-P361-P353-P305-P351-P338-P301-P330-P331-P405-P501A

Potassium nitrate

Analytical Reagent

KNO₃ MW =101.11

Product code: 316140500

C.A.S. : 7757-79-1

EINECS : 231-818-8

	500 gr
Assay (as KNO ₃) %	99 - 100.5
Identity	Passes test
Appearance of solution	Passes test
Reducing substance	Passes test
pH (5% solution at 20 °C)	4.5 - 8.5
Acidity or alkalinity	Passes test
Chloride (Cl) %	Max 0.001
Chlorate and perchlorate (as Cl)	Passes test
Sulfate (SO ₄) %	Max 0.003
Phosphate (PO ₄) %	Max 0.0005
Heavy metals (as Pb) %	Max 0.0005
Arsenic (As) %	Max 0.0003
Iron (Fe) %	Max 0.0003
Calcium (Ca) %	Max 0.001
Sodium (Na) %	Max 0.02
Ammonium (NH ₄) %	Max 0.001
Iodate (IO ₃) %	Max 0.0005
Nitrite (NO ₂) %	Max 0.001
Loss on drying (at 105 °C) %	Max 0.5



H272-H303

P221-P210-P220-P280-P312-P501A

Silver nitrate

Analytical Reagent

AgNO₃ MW =169.88

Product code: 322150100,0500

C.A.S. : 7761-88-8

EINECS : 231-853-9

	100 gr
	500 gr
Assay (Dry basis) %	99.92
pH (4% aqueous sol.)	5.5
Chloride %	0.0001
Sulfate %	0.0025
Calcium %	0.0007
Bismuth %	0.0003
Lead %	0.0002
Magnesium %	0.0007
Potassium %	0.009
Sodium %	0.0018
Copper %	0.00014
Iron %	0.00015
Substance not ppp.by HCl (as sulfate.) %	0.04



H272-H314-H290-H400-H410

P221-P210-P303-P361-P353-P305-P351-P338-P405-P501A

Sodium chloride

Analytical Reagent

NaCl MW =58.44

Product code: 319120500/5000

C.A.S. : 7647-14-5

EINECS : 231-598-3

	500 gr
	5 kg
Assay (after ignition) %	Min 99.5
Identity	Passes test
Appearance of solution	Passes test
Acidity or alkalinity	Passes test
pH of 5% solution	5.0 - 8.0
Insoluble matter %	Max 0.005
Bromide (Br) %	Max 0.005
Iodide (I) %	Max 0.001
Ferrocyanide (Fe(CN) ₆) %	Max 0.0001
Chlorate and Nitrate (NO ₃) %	Max 0.003
Nitrite (NO ₂)	Passes test
Phosphate (PO ₄) %	Max 0.0005
Sulfate %	Max 0.001
Total Nitrogen (N) %	Max 0.0005
Heavy metals (as Pb) %	Max 0.0005
Arsenic (As) %	Max 0.00004
Barium (Ba)	Max 0.001
Calcium (Ca) %	Max 0.002
Copper (Cu) %	Max 0.0002
Iron (Fe) %	Max 0.0002
Magnesium (Mg) %	Max 0.001
Magnesium and alkali earth metals (as Ca) %	Max 0.01
Potassium (K) %	Max 0.005
Loss on drying (at 105 °C for 2 hrs) %	Max 0.5

H303

P312

Sodium nitrate

Analytical Reagent
NaNO₃

500 gr

Product code: 319180500

C.A.S. : 7631-99-4

	Specifications:	Results:
Description	White crystalline powder	White crystalline powder
Assay	Min 99.0%	99.44%
pH (5% in water)	5.0 - 7.5	5.76
Insoluble matter	Max.0.003%	0.002%
Chloride (Cl)	Max.0.001%	0.0008%
Iodate (IO ₃)	Max.0.0005%	0.0004%
Nitrite (NO ₂)	Max.0.0005%	0.0004%
Phosphate (PO ₄)	Max.0.0002%	0.0001%
Sulphate (SO ₄)	Max.0.003%	0.002%
Arsenic (As)	Max.0.00004%	<0.00004%
Calcium (Ca)	Max.0.002%	<0.002%
Copper (Cu)	Max.0.0002%	<0.0002%
Iron (Fe)	Max.0.0002%	0.0001%
Lead (Pb)	Max.0.0002%	<0.0002%
Potassium (K)	Max.0.005%	<0.005%



H272-H302
P221-P210-P220
P280-P301+P312
P501A

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Sodium nitrite

Laboratory Reagent
NaNO₂ MW =69.00

500 gr

Product code: 319930500

C.A.S. : 7632-00-0

EINECS : 231-555-9

Assay %	Min 97
Chloride (Cl) %	Max 0.005
Sulfate (SO ₄) %	Max 0.005
Heavy metals (as Pb) %	Max 0.001
Calcium (Ca) %	Max 0.005
Loss on drying %	Max 0.25



H272-H301-H330-H400
P221-P301-P304-P340-P320-P330-P401-P501

Starch soluble

Analytical Reagent
(C₆H₁₀O₅)_n

500 gr

Product code: 519190500

C.A.S. : 9005-84-9

	Specifications:	Results:
Description	White soft powder	White soft powder
Residue on ignition	Max. 0.4%	0.1%
pH (25°C 2% in solution)	5.0-7.0	6.38
Solubility H ₂ O	Passes test	Passes test
Suitability	Passes test for sensitivity as indicator	Passes test



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