

**HIGH PURITY
INORGANICS**

**ORGANO-INORGANIC
DERIVATIVES**

ORGANOMETALLICS

BIOCHEM CHEMOPHARMA
Laboratory Reagents & Fine Chemicals

MAGNESIUM CHLORIDE HEXAHYDRATE

Analytical Reagent

MgCl₂ · 6 H₂O

MW=203.30

500 gr

Product code: 31303
 C.A.S: 7791-18-6
 EINECS: 232-094-6

Assay	98 - 101%
Water insoluble matter	Max 0.005%
Nitrogen compounds (N)	Max 0.002%
Phosphate (PO ₄)	Max 0.0005%
Sulfate (SO ₄)	Max 0.002%
Arsenic (As)	Max 0.0002%
Barium (Ba)	Max 0.005%
Calcium (Ca)	Max 0.01%
Iron (Fe)	Max 0.0005%
Heavy metals (as Pb)	Max 0.0005%
Manganese (Mn)	Max 0.0005%
Potassium (K)	Max 0.005%
Sodium (Na)	Max 0.005%
Strontium (Sr)	Max 0.005%
Water	51 - 55%
pH of 5% solution	5.0 - 6.5
Bromide (Br)	Max 0.05%

MAGNESIUM NITRATE HEXAHYDRATE

Analytical Reagent

Mg(NO₃)₂ · 6H₂O

MW=256.41

500 gr

Product code: 31314
 C.A.S: 13446-18-9
 EINECS: 233-826-7

Assay (as Mg (NO ₃) ₂ ·6H ₂ O)	98.0-102.0 %
pH (5% solution in water;25°C)	5.0-8.2
Insoluble matter	Max 0.005 %
Chloride (Cl)	Max 0.001 %
Phosphate (PO ₄)	Max 0.0005 %
Sulphate (SO ₄)	Max 0.005 %
Ammonium (NH ₄)	Max 0.003 %
Barium (Ba)	Max 0.005 %
Calcium (Ca)	Max 0.01 %
Manganese (Mn)	Max 0.0005 %
Potassium (K)	Max 0.005 %
Sodium (Na)	Max 0.005 %
Strontium (Sr)	Max 0.005 %
Heavy metals (by ICP-OES)	Max 0.0005 %
Iron (Fe)	Max 0.0005 %
Appearance	Colourless crystals or white crystalline powder

MAGNESIUM SULFATE HEPTAHYDRATE

Analytical Reagent

MgSO₄ ·7H₂O

MW=246.47

500 gr

Product code: 31306
 C.A.S: 10034-99-8
 EINECS: 231-298-2

Assay	99.5 - 102%
Water insoluble matter	Max 0.005 %
pH (5% water)	5 - 7
Nitrate (NO ₃)	Max 0.002 %
Ammonium (NH ₄)	Max 0.002%
Chloride (Cl)	Max 0.0005%
Calcium (Ca)	Max 0.02%
Heavy metals (as Pb)	Max 0.0005 %
Iron (Fe)	Max 0.0005 %
Potassium (K)	Max 0.005 %
Manganese (Mn)	Max 0.0005 %
Sodium (Na)	Max 0.005 %
Strontium (Sr)	Max 0.005%

MANGANESE (II) SULFATE MONOHYDRATE

Analytical Reagent

MnSO₄·H₂O

MW=169.02

500 gr

Product code: 31321
 C.A.S: 10034-96-5
 EINECS: 232-089-9



H302-H332-H372-H411
 P271-P260-P273-P264-P270-P301+P312-P391-P304+P340-P314-P501

Assay	Min 99%
Insoluble matter	Max 0.01%
Chloride (Cl)	Max 0.005%
Calcium (Ca)	Max 0.005 %
Iron (Fe)	Max 0.002%
Heavy metals (as Pb)	Max 0.002%
Magnesium (Mg)	Max 0.005%
Nickel (Ni)	Max 0.02 %
Potassium (K)	Max 0.01 %
Sodium (Na)	Max 0.05 %
Zinc (Zn) 5	Max 0.005%
Substances reducing permanganate (O)	Passes test
Loss on ignition	10 - 12%

MANGANESE (IV) OXIDE

Analytical Reagent

MnO₂ MW=86.94 **500 gr**Product code: 31326
C.A.S: 1313-13-9
EINECS: 215-202-6H302+H332
P261-P264-P270-P271-P304+ P340-P312-P330-P501

Assay	Min 80 %
Free moisture	Max 3 %
Insoluble matter in HCl	Max 0.5 %
Iron (Fe)	Max 0.1 %
Lead (Pb)	Max 0.09 %
Copper (Cu)	Max 0.002 %
Sulfate (SO ₄)	Max 1.2 %
pH (5% water extract)	4.5-6.5
Appearance	A black colored heavy powder

POTASSIUM CHLORIDE

Analytical Reagent

KCl MW=74.55 **500 gr + 1 Kg**Product code: 31603
C.A.S: 7447-40-7
EINECS: 231-211-8

Assay	99.5 - 100.5 %
pH (2% solution)	5.5 - 8.5
Insoluble matter	Max 0.01%
Bromide (Br)	Max 0.01 %
Iodide (I)	Max 0.002%
Sulfate (SO ₄)	Max 0.005 %
Phosphate (PO ₄)	Max 0.005 %
Total Nitrogen (N)	Max 0.001 %
Heavy metals (as Pb)	Max 0.0005 %
Iron (Fe)	Max 0.0003 %
Calcium (Ca)	Max 0.002 %
Barium (Ba)	Max 0.001 %
Magnesium (Mg)	Max 0.001 %
Sodium (Na)	Max 0.02%
Loss on drying (at 130°C)	Max 0.2

POTASSIUM CHROMATE

Analytical Reagent

K₂CrO₄ MW=194.20 **500 gr**Product code: 31608
C.A.S: 7789-00-6
EINECS: 232-140-5H410-H350i-H319-H340-H315-H317-H335
P201-P280-P302+P352-P304+P340-P305+P351+P338-P308+P313-P403+P233-P501

Assay (iodometric)	Min 99.5 %
Insoluble matter in water	Max 0.005 %
pH (5% sol in water)	9.0 - 9.8
Chloride (Cl)	Max 0.001 %
Sulfate (SO ₄)	Max 0.01 %
Lead (Pb)	Max 0.005 %
Calcium (Ca)	Max 0.005 %
Sodium (Na)	Max 0.05 %
Appearance	Lemon yellow crystalline powder

POTASSIUM NITRATE

Analytical Reagent

KNO₃ MW=101.11 **500 gr**Product code: 31614
C.A.S: 7757-79-1
EINECS: 231-818-8H271-H302-H319-H315-H335
P221-P210-P220-P280-P370-P378a-P501a

Assay (as KNO ₃)	99 - 100.5%
pH (5% sol in water, 20°C)	4.5 - 8.5
Chloride (Cl)	Max 0.001%
Sulfate (SO ₄)	Max 0.003%
Phosphate (PO ₄)	Max 0.0005%
Heavy metal (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%

SILVER NITRATE

Analytical Reagent

AgNO₃ MW=169.88 **100 gr + 500 gr**Product code: 32215
C.A.S: 7761-88-8
EINECS: 231-853-9H272-H314-H290 H400-H410
P221-P210-P303- P361-P353-P305- P351-P338-P405- P501A

Assay (AgNO ₃)	Min 99.5%
Assay (Ag)	Min 63.30%
Calcium	Max 0.005 %
Cadmium	Max 0.01 %
Copper	Max 0.005 %
Iron	Max 0.001 %
Magnesium	Max 0.001 %
Sodium	Max 0.05 %
Nickel	Max 0.005 %
Lead	Max 0.007 %
Zinc	Max 0.005 %

SODIUM BROMIDE

Analytical Reagent

NaBr

MW=102.89

500 gr

Product code: 31963
 C.A.S: 7647-15-6
 EINECS: 231-599-9

Assay	Min 99%
PH (5% solution in water at 25°C)	5.0 to 8.8
Insoluble matter	Max 0.005%
Bromate (BrO3)	Max 0.001%
Chloride (Cl)	Max 0.2%
Sulfate (SO4)	Max 0.002%
Barium (Ba)	Max 0.002%
Iron (Fe)	Max 0.0005%
Calcium (Ca)	Max 0.002%
Magnesium (Mg)	Max 0.001%
Potassium (K)	Max 0.1%
Heavy metal (as Pb)	Max 0.0005%
Loss on drying (at 105 °C)	Max 2.0%

SODIUM CARBONATE ANHYDROUS

Analytical Reagent

Na₂CO₃ MW=105.99**500 gr**

Product code: 31906
 C.A.S: 497-19-8
 EINECS: 207-838-8



H319
 P264-P280-P305+P351+P338-P337+P313

Assay (on anhydrous basis)	Min 99.5 %
Insoluble matter in water	Max 0.01 %
Moisture (at 300°C)	Max 0.5 %
Chloride (Cl)	Max 0.002 %
Phosphate and silicate (asSiO2)	Max 0.005 %
Total sulphur (as SO4)	Max 0.005 %
Heavy metals (as Pb)	Max 0.0005 %
Arsenic (As)	Max 0.0005 %
Calcium (Ca)	Max 0.03 %
Iron (Fe)	Max 0.0005 %
Potassium (K)	Max 0.01 %
Magnesium (Mg)	Max 0.005 %
Appearance	White crystalline or granular powder

SODIUM CHLORIDE

Analytical Reagent

NaCl

MW=58.44

500 gr + 2.5 kg

Product code: 31912
 C.A.S: 7647-14-5
 EINECS: 231-598-3

Assay (after ignition)	99.5-100.5%
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 (NO3)	Max 0.003%
Phosphate (PO4)	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%

SODIUM HYDROXIDE PELLETS

Analytical Reagent

NaOH

MW=40.00

500 gr + 1 kg

Product code: 31925
 C.A.S: 1310-73-2
 EINECS: 215-185-5



H314-H290
 P234-P260-P264-P280-P301+P330+P331-P304+P340-P305+P351+P338-P310

Assay (acidimetric)	98 - 100.5%
Insoluble matter in water	Max 0.025%
Sodium Carbonate (Na2CO3)	Max 1.0%
Chloride (Cl)	Max 0.005%
Sulfate (SO4)	Max 0.003%
Phosphate (PO4)	Max 0.001%
Silicate (SiO2)	Max 0.001%
Total nitrogen (N)	Max 0.0003%
Heavy metals (as Pb)	Max 0.002%
Iron (Fe)	Max 0.001%
Calcium (Ca)	Max 0.005%
Potassium (K)	Max 0.05%
Magnesium (Mg)	Max 0.002%
Mercury (Hg)	Max 0.00001%

ZINC CHLORIDE (DRY)

Product code: 32603
 C.A.S: 7646-85-7
 EINECS: 231-592-0

Analytical Reagent

ZnCl₂ MW=136.28 **500 gr**

H302-H314-H400-H410
 P260h-P303-P361-P353 - P305-P351-P338-P301 - P330-P331-P405-P501a

Assay	Min 98%
Insoluble matter	Max 0.005%
Oxide chloride (as ZnO)	Passes test
Sulfate (SO ₄)	Max 0.01%
Nitrate (NO ₃)	Max 0.003%
Lead (Pb)	Max 0.005%
Iron (Fe)	Max 0.001%
Magnesium (Mg)	Max 0.01%
Calcium (Ca)	Max 0.06%
Sodium (Na)	Max 0.05%
Potassium (K)	Max 0.02%
Ammonium (NH ₄) %	Max 0.005%

ZINC SULFATE HEPTAHYDRATE

Product code: 32619
 C.A.S: 7446-20-0
 EINECS: 231-793-3

Analytical Reagent

ZnSO₄·7H₂O MW=136.28 **500 gr**

H318-H400-H410-H302
 P264-P273-P280-P305+P338+P351-P310-P330-P391-P501

Assay (Complexometric EDTA titration)	99.0 - 103%
Insoluble matter (10% in water)	Max 0.01%
Calcium (Ca)	Max 0.005%
Chloride (Cl)	Max 0.0005%
Iron (Fe)	Max 0.001%
Potassium (K)	Max 0.01%
Magnesium	Max 0.005%
Sodium (Na)	Max 0.05%
Ammonium (NH ₄)	Max 0.001%
Nitrate (NO ₃)	Max 0.002%
Manganese (Mn)	Max 0.0003%
pH	4.4 - 6.0
Lead (Pb)	Max 0.003%