

PRODUCT NAME : **AMMONIUM ACETATE**

C.A.S. No. : 631-61-8

MOLECULAR FORMULA : $\text{CH}_3\text{COONH}_4$

MOLECULAR WEIGHT : 77.08

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.001%	0.005%
pH of a 5% solution at 25°C	6.0 -7.5	6.5 – 7.5	6.7 – 7.3
Chloride (Cl)	0.002%	0.0005%	0.0005%
Residue After Ignition	---	---	0.01%
Sulphate (SO ₄)	0.01%	0.002%	0.001%
Heavy Metals (as Pb)	0.0005%	0.0001%	0.0005%
Iron (Fe)	0.001%	0.0001%	0.0005%
Phosphate (PO ₄)	---	0.0005%	---
Calcium (Ca)	---	0.0005%	---
Copper (Cu)	---	0.0001%	---
Magnesium (Mg)	---	0.0001%	---
Potassium (K)	0.002%	0.001%	---
Sodium (Na)	---	0.001%	---
Assay	NLT 96.0%	NLT 98.0%	NLT 97.0%

PRODUCT NAME : **AMMONIUM PHOSPHATE DIBASIC**

C.A.S. No. : 7783-28-0

MOLECULAR FORMULA : $(\text{NH}_4)_2\text{HPO}_4$

MOLECULAR WEIGHT : 132.06

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.003%	0.005%
pH of a 5% solution at 25°C	7.5 – 8.5	7.8 – 8.5	7.7 – 8.1
Chloride (Cl)	0.001%	0.0005%	0.001%
Sulphate (SO ₄)	0.02%	0.01%	0.01%
Heavy Metals (as Pb)	0.002%	0.0005%	0.001%
Iron (Fe)	0.001%	0.001%	0.001%
Arsenic (As)	0.0001%	---	---
Calcium (Ca)	---	---	0.001%
Copper (Cu)	---	0.0005%	---
Magnesium (Mg)	---	---	0.0005%
Potassium (K)	---	0.001%	0.005%
Sodium (Na)	---	0.001%	0.005%
Assay	98.5%	NLT 99.0%	NLT 98.0%

PRODUCT NAME : **AMMONIUM PHOSPHATE MONOBASIC**

C.A.S. No. : 7722-76-1

MOLECULAR FORMULA : $\text{NH}_4\text{H}_2\text{PO}_4$

MOLECULAR WEIGHT : 115.03

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.005%	0.005%
pH of a 5% solution at 25°C	4.0 – 4.5	4.0 -4.5	3.8 -4.4
Chloride (Cl)	0.005%	0.0005%	0.0005%
Sulphate (SO ₄)	0.01%	0.005%	0.01%
Heavy Metals (as Pb)	0.001%	0.0005%	0.0005%
Iron (Fe)	---	0.001%	0.001%
Arsenic (As)	0.0001%	---	---
Calcium (Ca)	---	---	0.001%
Copper (Cu)	---	0.0005%	---
Magnesium (Mg)	---	---	0.0005%
Potassium (K)	---	0.003%	0.005%
Sodium (Na)	---	0.005%	0.005%
Assay	98 -101%	NLT 99.0%	NLT 98.0%

PRODUCT NAME : **CALCIUM CHLORIDE DIHYDRATE**

C.A.S. No. : 10035-04-8

MOLECULAR FORMULA : $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$

MOLECULAR WEIGHT : 147.01

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.003%	0.01%
pH of a 5% solution at 25°C	4.5 – 8.5	4.5 – 6.5	4.5 – 8.5
Oxidizing Substances (as NO_3)	---	---	0.003%
Nitrogen Compounds (N)	---	0.005%	---
Sulphate (SO_4)	0.01%	0.005%	0.01%
Ammonium (NH_4)	---	---	0.005%
Barium (Ba)	---	0.003%	0.005%
Heavy Metals (as Pb)	0.001%	0.0005%	0.0005%
Iron (Fe)	0.001%	0.0003%	0.001%
Copper (Cu)	---	0.0005%	---
Magnesium (Mg)	0.05%	0.005%	0.005%
Potassium (K)	---	0.01%	0.01%
Sodium (Na)	---	0.01%	0.02%
Strontium (Sr)	---	0.05%	0.1%
Assay	NLT 97.0%	NLT 99.5%	99 – 105%

PRODUCT NAME : **EDTA DISODIUM SALT DIHYDRATE**

C.A.S. No. : 6381-92-6

MOLECULAR FORMULA : $C_{10}H_{14}N_2O_8Na_2 \cdot 2H_2O$

MOLECULAR WEIGHT : 372.24

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.003%	0.005%
pH of a 5% solution at 25°C	4.3 -5.0	4.3 – 4.7	4.0 – 6.0
Chloride (Cl)	0.03%	0.004%	---
Nitilotriacetic acid	---	0.025%	0.1%
Sulphate (SO ₄)	0.01%	0.02%	---
Heavy Metals (as Pb)	0.001%	0.0005%	0.005%
Iron (Fe)	0.0005%	0.0005%	0.01%
Calcium (Ca)	---	0.002%	---
Copper (Cu)	0.00025%	0.0001%	---
Magnesium (Mg)	---	0.001%	---
Potassium (K)	---	0.002%	---
Assay	---	NLT 99.5%	99 -101%

PRODUCT NAME : **MAGNESIUM CHLORIDE HEXAHYDRATE**

C.A.S. No. : 7791-18-6

MOLECULAR FORMULA : $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$

MOLECULAR WEIGHT : 203.30

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.003%	0.005%
pH of a 5% solution at 25°C	---	5.0 – 6.5	---
Alcohol-insoluble matter	---	Passes Test	---
Nitroen compounds (N)	---	0.002%	---
Nitrate (NO_3)	---	---	0.001%
Ammonium (NH_4)	---	---	0.002%
Barium (Ba)	---	0.002%	0.005%
Manganese (Mn)	---	0.0005%	0.0005%
Sulphate (SO_4)	0.01%	0.002%	0.002%
Heavy Metals (as Pb)	---	0.0002%	0.0005%
Iron (Fe)	0.002%	0.0002%	0.0005%
Phosphate (PO_4)	0.004%	0.0002%	0.0005%
Calcium (Ca)	0.03%	0.0002%	0.01%
Copper (Cu)	---	0.0002%	---
Potassium (K)	---	0.001%	0.005%
Sodium (Na)	---	0.001%	0.005%
Strontium (Sr)	---	0.002%	0.005%
Zinc (Zn)	---	0.0005%	---
Assay	NLT 97%	NLT 98%	99 -102%

NAME OF PRODUCT : 13
 PRODUCT NAME : **MAGNESIUM SULPHATE HEPTAHYDRATE**
 C.A.S. No. : 10034-99-8
 MOLECULAR FORMULA : $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$
 MOLECULAR WEIGHT : 246.47

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.003%	0.005%
pH of a 5% solution at 25°C	5.0 – 8.2	5.0 – 8.0	5.0 – 8.2
Chloride (Cl)	0.01%	0.0002%	0.0005%
Nitrogen Compounds (N)	---	0.002%	---
Nitrate (NO ₃)	---	---	0.002%
Ammonium (NH ₄)	---	---	0.002%
Heavy Metals (as Pb)	0.0005%	0.0001%	0.0005%
Iron (Fe)	0.001%	0.0001%	0.0005%
Phosphate (PO ₄)	---	0.001%	---
Arsenic (As)	0.0001%	---	---
Calcium (Ca)	---	0.005%	0.02%
Copper (Cu)	---	0.0001%	---
Manganese (Mn)	---	---	0.0005%
Potassium (K)	---	0.001%	0.005%
Sodium (Na)	---	0.001%	0.005%
Zinc (Zn)	0.001%	0.0005%	---
Strontium (Sr)	---	---	0.005%
Assay	NLT 99%	NLT 99.5%	98 – 102%

NAME OF PRODUCT : 15
 PRODUCT NAME : **POTASSIUM CHLORIDE**
 C.A.S. No. : 7447-40-7
 MOLECULAR FORMULA : KCl
 MOLECULAR WEIGHT : 74.55

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.003%	0.005%
pH of a 5% solution at 25°C	5.5 – 8.5	5.0 – 8.0	5.4 - 8.6
Nitrogen Compounds (N)	---	0.001%	---
Iodide (I)	0.01%	0.002%	0.002%
Bromide (Br)	0.01%	0.01%	0.01%
Chlorate and Nitrate	---	---	0.003%
Sulphate (SO ₄)	0.02%	0.003%	0.001%
Heavy Metals (as Pb)	0.0005%	0.0002%	0.0005%
Iron (Fe)	0.001%	0.0002%	0.0003%
Phosphate (PO ₄)	---	0.0005%	0.0005%
Calcium (Ca)	---	0.001%	0.002%
Barium (Ba)	---	0.001%	Passes out
Magnesium (Mg)	---	0.0005%	0.001%
Sodium (Na)	0.5%	0.02%	0.005%
Assay	NLT 99.5%	NLT 99.5%	99 – 100.5%
Loss on Drying	1.0%	---	---

NAME OF PRODUCT : 16
 PRODUCT NAME : **POTASSIUM HYDROGEN PHTHALATE**
 C.A.S. No. : 877-24-7
 MOLECULAR FORMULA : $C_8H_5KO_4$
 MOLECULAR WEIGHT : 204.22

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.003%	0.005%
pH of a 0.05 M solution	---	---	4.0 – 4.02
Chlorine Compounds	---	---	0.003%
Sulfur compounds	---	---	0.002%
Chloride (Cl)	0.002%	0.002%	---
Sulphate (SO ₄)	0.02%	0.005%	---
Heavy Metals (as Pb)	0.001%	0.0005%	0.0005%
Iron (Fe)	---	0.0005%	0.0005%
Phthalic Acid	---	0.005%	---
Copper (Cu)	---	0.0005%	---
Sodium (Na)	---	0.005%	0.005%
Assay	NLT 99.5%	99.9 – 100.1%	99.95 – 100.05%
Loss on Drying	0.2%	0.05%	---

NAME OF PRODUCT : 17
 PRODUCT NAME : **POTASSIUM NITRATE**
 C.A.S. No. : 7757-79-1
 MOLECULAR FORMULA : KNO_3
 MOLECULAR WEIGHT : 101.10

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.003%	0.005%
pH of a 5% solution at 25°C	5.5 – 8.0	5.0 – 7.0	4.5 – 8.5
Chloride (Cl)	0.02%	0.0005%	0.002%
Iodate (IO_3)	---	0.0005%	0.0005%
Nitrite (NO_2)	---	0.001%	0.001%
Phosphate (PO_4)	0.002%	0.0005%	0.0005%
Sulphate (SO_4)	0.02%	0.003%	0.003%
Ammonium (NH_4)	---	0.001%	---
Heavy Metals (as Pb)	0.002%	0.0001%	0.0005%
Iron (Fe)	0.002%	0.0001%	0.0003%
Magnesium (Mg)	---	0.0015%	0.002%
Calcium (Ca)	---	0.0015%	0.005%
Copper (Cu)	---	0.0001%	---
Sodium (Na)	0.2%	0.01%	0.005%
Assay	NLT 99.0%	NLT 99.5%	NLT 99%
Loss On Drying	0.5%	---	---

PRODUCT NAME : **POTASSIUM PHOSPHATE DIBASIC ANHYDROUS**
 C.A.S. No. : 7758-11-4
 MOLECULAR FORMULA : K_2HPO_4
 MOLECULAR WEIGHT : 174.18

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.01%	0.01%
pH of a 5% solution at 25°C	8.5 -9.3	9.2 – 9.4	8.5 – 9.6
Nitrogen Compounds (N)	---	0.001%	0.001%
Chloride (Cl)	0.005%	0.001%	0.003%
Bromide (Br)			
Chlorate and Nitrate			
Sulphate (SO ₄)	---	0.005%	0.005%
Heavy Metals (as Pb)	---	0.0005%	0.0005%
Iron (Fe)	---	0.0005%	0.001%
Phosphate (PO ₄)			
Calcium (Ca)	---	0.005%	---
Barium (Ba)			
Magnesium (Mg)	---	0.0005%	---
Sodium (Na)	---	0.05%	0.05%
Assay	NLT 98.0%	NLT 99.0%	NLT 98.0%
Loss on Drying	1.0%	---	1.0%

PRODUCT NAME : **POTASSIUM PHOSPHATE MONOBASIC**

C.A.S. No. : 7778-77-0

MOLECULAR FORMULA : KH_2PO_4

MOLECULAR WEIGHT : 136.09

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.01%	0.01%
pH of a 5% solution at 25°C	---	4.3 - 4.5	4.1 – 4.5
Nitrogen Compounds (N)	---	0.002%	---
Chloride (Cl)	---	0.0005%	0.001%
Bromide (Br)			
Chlorate and Nitrate			
Sulphate (SO_4)	---	0.005%	0.003%
Heavy Metals (as Pb)	---	0.0005%	0.001%
Iron (Fe)	---	0.002%	0.002%
Phosphate (PO_4)			
Calcium (Ca)	---	0.01%	---
Copper(Cu)	---	0.0005%	---
Magnesium (Mg)	---	0.002%	---
Sodium (Na)	---	0.01%	0.005%
Assay	---	NLT 99.5%	NLT 99.0%
Loss on Drying	---	0.05%	0.2%

PRODUCT NAME : **POTASSIUM SULPHATE**

C.A.S. No. : 7778-80-5

MOLECULAR FORMULA : K_2SO_4

MOLECULAR WEIGHT : 174.26

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.003%	0.01%
pH of a 5% solution at 25°C	5.5 – 7.5	6.0 – 8.0	5.5 – 8.5
Nitrogen Compounds (N)	---	0.0005%	0.0005%
Chloride (Cl)	0.03%	0.0005%	0.001%
Heavy Metals (as Pb)	0.003%	0.0002%	0.0005%
Iron (Fe)	0.001%	0.0005%	0.0005%
Calcium (Ca)	---	0.0025%	0.01%
Copper (Cu)	---	0.0002%	----
Magnesium (Mg)	---	0.002%	0.005%
Sodium (Na)	0.2%	0.02%	0.02%
Assay	NLT 99.0%	NLT 99.5%	NLT 99.0%

PRODUCT NAME : **SODIUM BORATE DECAHYDRATE**

C.A.S. No. : 1303-96-4

MOLECULAR FORMULA : $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$

MOLECULAR WEIGHT : 381.37

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.003%	0.005%
pH of a 0.01 M solution	9.2 – 9.5	9.1 – 9.3	9.15 – 9.20
Chloride (Cl)	0.02%	0.0005%	0.001%
Boric Oxide (B_2O_3)	---	0.2%	---
Sodium Oxide (Na_2O)	---	0.2%	---
Carbonate (CO_3)	---	0.05%	---
Sulphate (SO_4)	0.05%	0.0025%	0.005%
Heavy Metals (as Pb)	---	0.0005%	0.001%
Iron (Fe)	0.02%	0.0005%	0.0005%
Phosphate (PO_4)	---	0.001%	0.001%
Calcium (Ca)	---	0.002%	0.005%
Copper (Cu)	---	0.0005%	---
Magnesium (Mg)	---	0.002%	---
Assay	NLT 98.5%	NLT 99.5%	99.5 – 101%

PRODUCT NAME : **SODIUM CARBONATE ANHYDROUS**

C.A.S. No. : 497-19-8

MOLECULAR FORMULA : Na_2CO_3

MOLECULAR WEIGHT : 105.99

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.01%	0.01%
Chloride (Cl)	0.01%	---	0.001%
Nitrogen Compounds (N)	---	0.001%	---
Loss at 300°	---	0.5%	---
Silicate (SiO_2)	0.02%	0.002%	0.005%
Total Sulphur (SO_4)	---	0.005%	0.003%
Sulphate (SO_4)	0.02%	---	---
Heavy Metals (as Pb)	0.003%	0.0005%	0.0005%
Iron (Fe)	0.001%	0.0005%	0.0005%
Phosphate (PO_4)	---	0.001%	0.001%
Calcium (Ca)	---	0.005%	0.03%
Aluminium (Al)	---	0.001%	---
Magnesium (Mg)	---	0.0005%	0.005%
Copper (Cu)	---	0.0005%	---
Potassium (K)	---	0.01%	0.005%
Assay	NLT 99.5%	NLT 99.9%	NLT 99.5%
Loss on Drying	1.0%	---	1.0%

PRODUCT NAME : **SODIUM NITRATE**

C.A.S. No. : 7631-99-4

MOLECULAR FORMULA : NaNO_3

MOLECULAR WEIGHT : 84.99

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.003%	0.005%
pH of a 5% solution at 25°C	5.0 – 7.5	5.0 – 7.5	5.5 – 8.3
Chloride (Cl)	0.01%	0.0005%	0.001%
Iodate (IO_3)	---	0.0005%	0.0005%
Nitrite (NO_2)	---	0.001%	0.001%
Sulphate (SO_4)	0.01%	0.003%	0.003%
Heavy Metals (as Pb)	---	0.0002%	0.0005%
Iron (Fe)	0.002%	0.0002%	0.0003%
Phosphate (PO_4)	---	0.0002%	0.0005%
Calcium (Ca)	---	0.002%	0.005%
Arsenic (As)	---	0.00004%	---
Magnesium (Mg)	---	---	0.002%
Copper (Cu)	---	0.0002%	---
Potassium (K)	---	0.005%	---
Assay	NLT 98.0%	NLT 99.5%	NLT 99.0%

PRODUCT NAME : **SODIUM OXALATE**

C.A.S. No. : 62-76-0

MOLECULAR FORMULA : $(\text{COONa})_2$

MOLECULAR WEIGHT : 134.00

SPECIFICATION	LR	AR	ACS
Insoluble Matter	---	0.005%	0.005%
pH of a 3% solution at 25°C	7.0 – 8.7	7.5 – 8.5	---
Chloride (Cl)	0.005%	0.002%	0.002%
Nitrogen Compounds (N)	---	0.001%	---
Neutrality	---	---	Passes test
Ammonium (NH ₄)	---	---	0.002%
Sulphate (SO ₄)	0.03%	0.002%	0.002%
Heavy Metals (as Pb)	---	0.0005%	0.002%
Iron (Fe)	0.005%	0.0005%	0.001%
Substances darkened by hot sulphuric acid	---	---	Passes test
Copper (Cu)	---	0.0005%	---
Potassium (K)	0.02%	0.005%	0.005%
Assay	NLT 99.5%	NLT 99.9%	NLT 99.5%
Loss on Drying	---	0.01%	0.01%

PRODUCT NAME : SODIUM PHOSPHATE DIBASIC ANHYDROUS
C.A.S. No. : 7558-79-4
MOLECULAR FORMULA : Na₂HPO₄
MOLECULAR WEIGHT : 141.96

SPECIFICATION	LR	AR	ACS
Water Insoluble Matter		0.01%	0.01%
pH of a 0.1M solution		9.1 - 9.3	8.7 – 9.3
Chloride (Cl)	0.01%	0.002%	0.002%
Nitrogen Compounds (N)		0.002%	---
Sulphate (SO ₄)	0.01%	0.005%	0.005%
Heavy Metals (as Pb)		0.001%	0.001%
Iron (Fe)		0.001%	0.002%
Copper (Cu)		0.001%	---
Potassium (K)		0.01%	---
Assay		NLT 99.0%	NLT 99.0%
Loss on Drying		---	0.2%

PRODUCT NAME : **SODIUM PHOSPHATE DIBASIC DIHYDRATE**

C.A.S. No. : 10028-24-7

MOLECULAR FORMULA : $\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$

MOLECULAR WEIGHT : 177.99

SPECIFICATION	LR	AR	ACS
Water Insoluble Matter		0.005%	---
pH of a 0.1M solution		9.1 - 9.3	---
Chloride (Cl)		0.001%	---
Nitrogen Compounds (N)		0.002%	---
Sulphate (SO ₄)		0.005%	---
Heavy Metals (as Pb)		0.0005%	---
Iron (Fe)		0.001%	---
Copper (Cu)		0.0005%	---
Potassium (K)		0.005%	---
Assay		NLT 99.5%	---
Loss on Drying		---	---

PRODUCT NAME : **SODIUM PHOSPHATE DIBASIC DODECAHYDRATE**

C.A.S. No. : 10039-32-4

MOLECULAR FORMULA : $\text{Na}_2\text{HPO}_4 \cdot 12\text{H}_2\text{O}$

MOLECULAR WEIGHT : 354.14

SPECIFICATION	LR	AR	ACS
Water Insoluble Matter		0.003%	---
pH of a 0.1M solution		9.1 – 9.3	---
Chloride (Cl)		0.001%	---
Nitrogen Compounds (N)		0.002%	---
Sulphate (SO ₄)		0.005%	---
Heavy Metals (as Pb)		0.0002%	---
Iron (Fe)		0.0002%	---
Copper (Cu)		0.0001%	---
Potassium (K)		0.001%	---
Assay		NLT 99.0%	---
Loss on Drying		---	---

PRODUCT NAME : **SODIUM PHOSPHATE DIBASIC HEPTAHYDRATE**

C.A.S. No. : 7782-85-6

MOLECULAR FORMULA : $\text{Na}_2\text{HPO}_4 \cdot 7\text{H}_2\text{O}$

MOLECULAR WEIGHT : 268.07

SPECIFICATION	LR	AR	ACS
Water Insoluble Matter	---	---	0.005%
pH of a 0.1M solution	---	---	8.7 – 9.3
Chloride (Cl)	---	---	0.001%
Nitrogen Compounds (N)	---	---	0.001%
Sulphate (SO ₄)	---	---	0.005%
Heavy Metals (as Pb)	---	---	0.001%
Iron (Fe)	---	---	0.001%
Assay	---	---	98.0 – 102.0%

PRODUCT NAME : **SODIUM PHOSPHATE MONOBASIC ANHYDROUS**

C.A.S. No. : 7558-80-7

MOLECULAR FORMULA :

MOLECULAR WEIGHT :

SPECIFICATION	LR	AR	ACS
Water Insoluble Matter			
pH of a 0.1M solution			
Chloride (Cl)			
Nitrogen Compounds (N)			
Sulphate (SO ₄)			
Heavy Metals (as Pb)			
Iron (Fe)			
Phosphate (PO ₄)			
Calcium (Ca)			
Aluminium (Al)			
Magnesium (Mg)			
Copper (Cu)			
Potassium (K)			
Assay			
Loss on Drying			

PRODUCT NAME : **SODIUM PHOSPHATE MONOBASIC DIHYDRATE**
 C.A.S. No. : 13472-35-0
 MOLECULAR FORMULA : $\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$
 MOLECULAR WEIGHT : 156.01

SPECIFICATION	LR	AR	ACS
Water Insoluble Matter		0.01%	---
pH of a 0.1M solution		4.3 - 4.5	---
Chloride (Cl)		0.001%	---
Nitrogen Compounds (N)		---	---
Sulphate (SO ₄)		0.005%	---
Heavy Metals (as Pb)		0.0001%	---
Iron (Fe)		0.001%	---
Calcium (Ca)		0.002%	---
Magnesium (Mg)		0.001%	---
Copper (Cu)		0.0001%	---
Potassium (K)		0.005%	---
Assay		NLT 99.0%	---
Loss on Drying		---	---

PRODUCT NAME : **SODIUM PHOSPHATE MONOBASIC MONOHYDRATE**

C.A.S. No. : 10049-21-5

MOLECULAR FORMULA : $\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$

MOLECULAR WEIGHT :

SPECIFICATION	LR	AR	ACS
Water Insoluble Matter		---	0.01%
pH of a 5% solution at 25°C		---	4.1 – 4.5
Chloride (Cl)		---	0.0005%
Sulphate (SO ₄)		---	0.003%
Heavy Metals (as Pb)		---	0.001%
Iron (Fe)		---	0.001%
Calcium (Ca)		---	0.005%
Potassium (K)		---	0.01%
Assay		---	98.0 – 102.0%

PRODUCT NAME : **SODIUM SULPHATE ANHYDROUS**

C.A.S. No. : 7757-82-6

MOLECULAR FORMULA : Na₂SO₄

MOLECULAR WEIGHT : 142.04

SPECIFICATION	LR	AR	ACS
Water Insoluble Matter	---	0.005%	0.01%
pH of a 5% solution at 25°C	5.0 – 8.0	5.5 – 8.0	5.2 – 9.2
Chloride (Cl)	0.005%	0.001%	0.001%
Nitrogen Compounds (N)	---	0.001%	0.0005%
Oxidizing substances	---	No Reaction	---
Reducing Substances (O)	---	0.002%	---
Heavy Metals (as Pb)	0.002%	0.0002%	0.0005%
Iron (Fe)	0.002%	0.0002%	0.001%
Phosphate (PO ₄)	---	0.002%	0.001%
Calcium (Ca)	---	0.01%	0.01%
Nitrate (NO ₃)	0.01%	---	---
Magnesium (Mg)	---	0.001%	0.005%
Copper (Cu)	---	0.0002%	---
Potassium (K)	0.1%	0.01%	0.01%
Assay	NLT 99.0%	NLT 99.5%	NLT 99.0%
Loss on Drying	0.5%	0.5%	0.5%

PRODUCT NAME : **UREA**
 C.A.S. No. : 57-13-6
 MOLECULAR FORMULA : CH₄N₂O
 MOLECULAR WEIGHT : 60.06

SPECIFICATION	LR	AR	ACS
Water Insoluble Matter	---	0.003%	0.01%
Alcohol Insoluble Matter	0.04%	---	---
Chloride (Cl)	0.002%	0.0005%	0.0005%
Residue after Ignition	---	---	0.01%
Acidify	---	0.05%	---
Alkalinity	---	0.05%	---
Sulphate (SO ₄)	0.05%	0.001%	0.001%
Heavy Metals (as Pb)	0.001%	0.0005%	0.001%
Iron (Fe)	---	0.0001%	0.001%
Copper (Cu)	---	0.0001%	---
Biuret (C ₂ H ₅ N ₃ O ₂)	0.1%	0.05%	---
Sulphate Ash	---	0.005%	---
Assay	99.5 – 100.5%	NLT 99.5%	99 – 100.5%
Melting Point	131 – 134 °c	---	132 – 135 °c
Loss on Drying	0.5%	---	---

PRODUCT NAME : **ZINC SULPHATE HEPTAHYDRATE**

C.A.S. No. : 7446-20-0

MOLECULAR FORMULA : $ZnSO_4 \cdot 7H_2O$

MOLECULAR WEIGHT : 287.58

SPECIFICATION	LR	AR	ACS
Water Insoluble Matter	---	0.001%	0.01%
pH of a 5% solution at 25°C	---	4.4 – 6.0	4.4 – 6.0
Nitrogen Compounds (N)	---	0.0005%	---
Chloride (Cl)	---	0.0005%	0.0005%
Nitrate (NO ₃)	---	---	0.002%
Ammonium (NH ₄)	---	---	0.001%
Heavy Metals (as Pb)	---	0.001%	0.003%
Iron (Fe)	---	0.0005%	0.001%
Arsenic (As)	---	0.0001%	---
Cadmium (Cd)	---	0.0005%	---
Calcium (Ca)	---	0.001%	0.005%
Copper (Cu)	---	0.0005%	---
Sodium (Na)	---	0.001%	0.05%
Magnesium (Mg)	---	---	0.005%
Manganese (Mn)	---	0.0003%	0.0003%
Potassium (K)	---	0.001%	0.01%
Assay	---	NLT 99.5%	99 -103%

PRODUCT NAME : **ZINC SULPHATE MONOHYDRATE**

C.A.S. No. : 7733-02-0

MOLECULAR FORMULA :

MOLECULAR WEIGHT :

SPECIFICATION	LR	AR	ACS
Water Insoluble Matter			
pH of a 0.1M solution			
Chloride (Cl)			
Nitrogen Compounds (N)			
Sulphate (SO ₄)			
Heavy Metals (as Pb)			
Iron (Fe)			
Phosphate (PO ₄)			
Calcium (Ca)			
Aluminium (Al)			
Magnesium (Mg)			
Copper (Cu)			
Potassium (K)			
Assay			
Loss on Drying			