



## Product Specification

### MAGNESIUM SULPHATE HEPTAHYDRATE AR/ACS

MEET ANALYTICAL SPECIFICATION OF IP, BP, UPS, Ph. Eur.

<b>PRODUCT CODE</b>	<b>568325</b>
<b>SYNONYMS</b>	--
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	<b>(10034-99-8)</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>MgSO<sub>4</sub>.7H<sub>2</sub>O</b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>246.47</b>
<b>PROPERTIES</b>	Loses 4H <sub>2</sub> O at 70 -80°C; loses 5H <sub>2</sub> O at 100°C; loses 6H <sub>2</sub> O at 120°C; loses last H <sub>2</sub> O at 250°C; Noncombustible.

## MgSO<sub>4</sub>.7H<sub>2</sub>O

<b>PARAMETER</b>	<b>LIMIT</b>
Description	Colourless efflorescent crystals or white crystalline powder
Solubility	10% solution in water is clear and colourless.
Identification	Passes test.
Minimum Assay (Complexometric; Cal.on dried substance)	99.5 - 103.0%
pH (5% soln. in water)	5.0 – 8.2

### MAXIMUM LIMIT OF IMPURITIES

Loss on drying(at 110 for 1 hr,then ignite at 400°C)	48 – 52%
Insoluble matter	0.003%
Acidity (H <sub>2</sub> SO <sub>4</sub> )	0.0025%
Alkalinity (MgO)	0.004%
Ammonium (NH <sub>4</sub> )	0.002%
Chloride (Cl)	0.0005%
Nitrate (NO <sub>3</sub> )	0.001%
Phosphate (PO <sub>4</sub> )	0.001%
Arsenic (As)	0.00004%
Calcium (Ca)	0.005%
Copper (Cu)	0.0002%
Iron (Fe)	0.0005%
Heavy metals (as Pb)	0.001%
Manganese (Mn)	0.0005%
Potassium	0.005%
Selenium	0.003%



# Central Drug House (P) Ltd.

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Sodium	0.005%
Strontium	0.005%
Zinc (Zn)	0.0005%
Organic volatile impurities	Meets the requirement

**Note(s) : 1] Assay (if applicable) method mentioned.**

**WARNING**

**Hazard statements :** Causes eye irritation

**Precautionary statements**

**Prevention :** Wash hands thoroughly after handling.

**Response :** If eye irritation persists, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Disposal:** -----

IMDG Code :

UN No. :

IATA :

Hazard Pictogram(s) :