

Product: Ferrous Sulphate 7-hyd

CAS: 7782-63-0

Sr. No.	Parameter	LR Specifications	AR Specifications	ACS Specifications
1	Description	<i>Greenish-blue crystals or crystalline powder</i>	<i>Greenish-blue crystals or crystalline powder</i>	<i>Greenish-blue crystals or crystalline powder</i>
2	Test Solution (5g in 50ml water + 1ml H ₂ SO ₄)	<i>Solution must be clear and pale bluish-green</i>	<i>Solution must be clear and pale bluish-green</i>	<i>Solution must be clear and pale bluish-green</i>
3	pH (5% solution in water)	<i>3.0 to 4.0</i>	<i>3.0 to 4.0</i>	-
4	Assay (as Fe(SO ₄).7H ₂ O)	<i>99% min</i>	<i>99% min</i>	<i>≥ 99%</i>
5	Water Insoluble Matter	-	-	<i>0.01% max</i>
6	Chloride, as Cl	<i>0.005% max</i>	<i>0.0005% max</i>	<i>0.001% max</i>
7	Phosphate, as PO ₄	<i>0.002% max</i>	<i>0.001% max</i>	<i>0.001% max</i>
8	Arsenic, as As	-	<i>0.00004% max</i>	-
9	Calcium, as Ca	-	<i>0.005% max</i>	<i>0.005% max</i>
10	Copper, as Cu	<i>0.002% max</i>	<i>0.001% max</i>	<i>0.005% max</i>
11	Ferric Iron, as Fe ⁺³	<i>0.1% max *</i>	<i>0.05% max *</i>	<i>0.1% max *</i>
12	Heavy Metals, as Pb	<i>0.001% max</i>	<i>0.001% max</i>	-
13	Magnesium, as Mg	-	<i>0.005% max</i>	<i>0.002% max</i>
14	Manganese, as Mn	-	<i>0.05% max</i>	<i>0.05% max</i>
15	Nitrogen, as N	-	<i>0.001% max</i>	-
16	Potassium, as K	-	<i>0.002% max</i>	<i>0.002% max</i>
17	Sodium, as Na	<i>0.1% max</i>	<i>0.02% max</i>	<i>0.02% max</i>
18	Zinc, as Zn	-	<i>0.01% max</i>	<i>0.005% max</i>

* Due to inherent oxidation, ferric ion (Fe⁺³) content may increase on storage.

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