

Copper Sulphate Pentahydrate high purity grade microcrystals

Product Datasheet

Item number: 60-032

PHYSICAL AND CHEMICAL PROPERTIES

Chemical formula:	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	Melting point :	decomposes over 560°C
Molecular weight:	249.68	Apparent density:	about 1.2 g/cm ³
Odour:	odourless	Solubility in water:	266 g/l a 20°C

PHYSICAL AND CHEMICAL SPECIFICATION

Only the parameters present in this section (physical and chemical specification) will be insert in the certificate of analysis

Specification	Method	Typical value	Limit value
Aspect	Sensorial	Light blue microcrystals	
Purity (%)	MA-001(o MA-002)	100 - 101.5	min. 99.5
Cu content (%)	MA-001(o MA-002)	25,45 - 25,8	min. 25.3
pH (5% water solution 5%)	MA-003		3.7 – 4.2
Insoluble matter (%)	MA-004	< 0.01	max. 0.02 %
Main Impurities:			
Fe (ppm)	MA-006	10 - 15	max 25
Pb (ppm)	MA-006	3 - 15	max 30
Ni (ppm)	MA-006	1 - 3	max 10
Cd (ppm)	MA-006	< 1	max 5
Zn (ppm)	MA-006	2 - 6	max 10
As (ppm)	MA-008	< 1	max 5
Cl (ppm)	MA-006	1 - 3	max 5

OTHER INFORMATION

- ☐ **CRYSTAL SIZE** (this data are only indicative and may be subjected to variation without any notice)

Crystals size (µm)	> 1000	1000 - 750	750 - 500	500 - 400	400 - 300	300 - 200	200 - 100	< 100
Weight %	trace	1 – 5	10 - 20	15 – 20	20 – 25	20 – 25	10 – 20	3 - 7

- ☐ **PACKAGING AVAILABLE**
- polypropylene bags of 25 Kgs (net weight)