

Commodity: Magnesium Metal Powder for Explosive and Pyrotechnic Compositions

Selling Unit : mass -gm

S.No.	Parameters	Type	Value 1	Value 2	Value 3	Value 4	Validation	Unit	M	F	G	Demand aggregation
Requirements for Magnesium Metal Powder												
1	Moisture,percent by mass,Max,as per IS:2307	N	0.05						√			
2	Assay, Min,in percent as per quantitative inorganic		99.5						√			
3	Acid insoluble matter,in percent,Max as per IND/ME337(a)	N	0.05						√			
4	Grit,percent by mass,Max,as per IS 2307	N	0.05						√			
5	Particle Size,as per JSG0112 method number 18		210+30 H						√			
6	Density gm/ml, as per IS:2307	N					0.25<N<0.35	gm/ml	√	√		
Physical Characteristics												
7	Form	Ch	solid(powder)						√			
8	Colour	Ch	Silvery white						√			
Packing , Marking and Labelling												
9	Unless otherwise agreed to between the purchaser and the supplier,the material shall be packed in plain steel drums with expandable lids(conforming to IS: 2307:2004)	Ch	Yes						√			
10	All containers in which material is packed shall be dry and clean so that no	Ch	Yes						√			

11	Each container shall be marked with the following information: (a) Name of the material (b) Manufacturer's name, initials of his trade mark, if any, (c) Net mass of the material (d) Date of Packing (e) Volume of material	Ch	Yes						√			
Certifications												
12	Magnesium Metal Oxide conforming to IS: 2307	Ch	Yes						√			
13	Whether ISI Marked	Ch	Yes	No					√	√		
14	CM/L Number(Must declare if ISI Marked)	Ch							√			
Test Report Details												
15	Availability of Test Report from Central Govt/ State Govt/NABL/ILAC accredited lab(hint: Must be declared)	Ch	Yes	No					√	√		
16	Test Report Number(Must be declared, write NA if Test Report is not available)	Ch							√			
17	Test Report date(Must be declared, write NA if Test Report is not available)	Ch							√			
18	Name of the Lab(Must be declared, write NA if Test Report is not available)	Ch							√			
19	Address of the Lab(Must be declared, write NA if Test Report is not available)	Ch							√			

20	Test Report to be furnished to the Buyer on demand(Must be declared, write NA if Test Report is not available)	Ch	Yes	N/A					√	√		
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Commodity: Zinc Oxide for Cosmetic Industry UNSPSC 11181510

Selling Unit :

S.No.	Parameters	Type	Value 1	Value 2	Value 3	Value 4	Validation	Unit	M	F	G	Demand aggregation
Requirements for Zinc Oxide for Cosmetic Industry												
1	Volatile matter (2 hrs at 105 +2 ⁰ c) % max	N	0.2						√			
2	Loss on ignition(1 hr at 700 degree celcius) percent by max	N	1.5						√			
3	Matter soluble in water % max	N	0.50						√			
4	Matter insoluble in 5N Nitric acid total % max	N	0.1						√			
5	Chlorides, calculated as Zinc chloride	N	0.3						√			
6	Free metallic zinc	N	Nil						√			
7	Zink oxide content % min	N	98						√			
8	Sieving requirement retained on 240 BS Sieve	Ch	Nil						√			
Physical Characteristics												
9	Form	Ch	solid(powder)						√			
10	Colour	Ch	white						√			
Packing , Marking and Labelling												

11	The material shall be packed as agreed to between the purchaser and the supplier (conforming to IS: 2850:1983)	Ch	Yes						√			
12	All containers in which material is packed shall be dry and clean so that no impurities harmful to the end use of the material is introduced.	Ch	Yes						√			
13	Each container shall be marked with the following information: (a) Name of the material (b) Manufacturer's name, initials of his trade mark, if any, (c) Net mass of the material	Ch	Yes						√			
Certifications												
14	Zinc Oxide conforming to JS:6810-82 & IS: 2850(latest)	Ch	Yes						√			
15	Whether ISI Marked	Ch	Yes	No					√	√		
16	CM/L Number(Must declare if ISI Marked)	Ch							√			
Test Report Details												

17	Availability of Test Report from Central Govt/ State Govt/NABL/ILAC accredited lab(hint: Must be declared)	Ch	Yes	No					√	√		
18	Test Report Number(Must be declared, write NA if Test Report is not available)	Ch							√			
19	Test Report date(Must be declared, write NA if Test Report is not available)	Ch							√			
20	Name of the Lab(Must be declared, write NA if Test Report is not available)	Ch							√			
21	Address of the Lab(Must be declared, write NA if Test Report is not available)	Ch							√			
22	Test Report to be furnished to the Buyer on demand(Must be declared, write NA if Test Report is not available)	Ch	Yes	N/A					√	√		

Commodity :Gum Arabic UNSPSC 13111102

Selling Unit : Mass-Kg

S.No.	Parameters	Type	Value 1	Value 2	Value 3	Value 4	Validation	Unit	M	F	G	Demand aggregation
Requirements for Gum Arabic												
1	Moisture content,percent ,Max	N	16						√			1
2	Matter insoluble in water percent,Max	N	0.3						√			2
3	Sulphated Ash percent,Max	N	5						√			3
4	Ash insoluble in Aqua regia,percent and all to pass No 240 BS Sieve,Min	N	0.05						√			4
6	pH of 10% aqueous solution	N					4.5≤N≤8		√	√		6
7	Foreign gums and dextrin	Ch	Nil						√			7
8	Sulphur and Sulphur Compounds	Ch	Nil						√			8
Physical Charactristics												
15	Form	Ch	fine powder						√			11
16	Colour	Ch	pale yellow	orange-brown					√	√		12
Packing , Marking and Labelling												

17	Unless otherwise agreed to between the purchaser and the supplier, the material shall be packed in sound, clean and dry gunny bags or suitable packages conforming to IS: 356:1991)	Ch	Yes						√			13
19	Each container shall be marked with the following information: (a) Name of the material (b) Manufacturer's name, initials of his trade mark, if any, (c) Net mass of contents. (d) Date of Packing	Ch	Yes						√			16
Certifications												
17	Gum Arabic conforming to IS: 356 & JSS 8040-14	Ch	Yes						√			17
18	Whether ISI Marked	Ch	Yes	No					√	√		18
19	CM/L Number (Must declare if ISI Marked)	Ch							√			19
Test Report Details												

20	Availability of Test Report from Central Govt/ State Govt/NABL/ILAC accredited lab(hint: Must be declared)	Ch	Yes	No					√	√		20
21	Test Report Number(Must be declared, write NA if Test Report is not available)	Ch							√			21
22	Test Report date(Must be declared, write NA if Test Report is not available)	Ch							√			22
23	Name of the Lab(Must be declared, write NA if Test Report is not available)	Ch							√			23
24	Address of the Lab(Must be declared, write NA if Test Report is not available)	Ch							√			24
25	Test Report to be furnished to the Buyer on demand(Must be declared, write NA if Test Report is not available)	Ch	Yes	N/A					√	√		25

Commodity Starch
Selling Unit : Mass-Kg

S.No.	Parameters	Type	Value 1	Value 2	Value 3	Value 4	Validation	Unit	M
Requirements for Starch									
1	Moisture content (2 hours at 105 °C) percent by weight,Max	N	20						√
2	Solubility	N	Insoluble (in cold water)	95%(in alcohol)					√
3	Acidity to methyl orange(calculated as sulphuric acid)	N	0.01%						√
4	Acidity to phenolphthalein(calculated as sulphuric acid,in percent)	N	0.1%						√
5	Alkalinity to methyl orange (calculated as anhydrous sodium carbonate,in percent)	N	0.1%						√
6	Alkalinity to phenolphthalein(calculated as anhydrous sodium carbonate)	N	0.02%						√
7	Ash	N					≤0.5%		√
8	Freedom from foreign matter(Microscopical examination must show that the material consists essentially of starch granules)	Ch							√
9	Gelling properties(Material must form a stiff gel)	Ch	Yes						√

10	Adhesive properties(When the gel, formed by the material described above, is applied to brown paper strips of 20 cms X5 cms and pressed for 24 hrs under 3.2 kg load; the strip should not break /detach at the join when tested in a textile strength testing machine and load gradually applied till the strip breaks)	Ch	Yes						v
Physical Characteristics									
15	Form	Ch	fine powder						v
16	Colour	Ch	White						v
Packing , Marking and Labelling									
17	Unless otherwise agreed to between the purchaser and the supplier,the material shall be packed in clean,sound and new high density polyethylene woven bags or A-twill jute bags lined with polyethylene (conforming to IS: 1005:1992)	Ch	Yes						v
18	The material may be packed in smaller containers lined with paper or polyethylene which in turn shall have an outer protective packing.	Ch	Yes						v

19	Each container shall be marked with the following information: (a) Name of the material (b) Manufacturer's name, initials of his trade mark, if any, (c) Net mass of contents. (d) Date of Packing	Ch	Yes							v
Certifications										
17	Starch conforming to IS: 1005 & /ME/459c	Ch	Yes							v
18	Whether ISI Marked	Ch	Yes	No						v
19	CM/L Number(Must declare if ISI Marked)	Ch								v
Test Report Details										
20	Availability of Test Report from Central Govt/ State Govt/NABL/ILAC accredited lab(hint: Must be declared)	Ch	Yes	No						v
21	Test Report Number(Must be declared, write NA if Test Report is not available)	Ch								v
22	Test Report date(Must be declared, write NA if Test Report is not available)	Ch								v
23	Name of the Lab(Must be declared, write NA if Test Report is not available)	Ch								v
24	Address of the Lab(Must be declared, write NA if Test Report is not available)	Ch								v
25	Test Report to be furnished to the Buyer on demand(Must be declared, write NA if Test Report is not available)	Ch	Yes	N/A						v

F	G	Demand aggregation
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