



Bharat Mines and Minerals

Product Specifications



Bharat Mines and Minerals

Table of Contents

Polymer Grade	3
BM 500	3
BM 502	4
BM 9070	5
BM 9080	6
BM 9090	7
Cosmetic Grade	8
BM 3090	8
BM 3092	9
Paint Grade	10
BM 3092	10
Paper Grade	11
BM 4092	11
Pharmaceutical Grade	12
BM 9090	12



Bharat Mines and Minerals

Polymer Grade

BM 500

Parameters	Specification
Description	Fine powder, odorless, free from gritty particles.
Fineness, Mesh	500*
Brightness, %	90
pH of 20% aqueous suspension	8.8
Matter Soluble in water, %	0.15
Magnesium as MgO, %	32.4
Alumina as Al ₂ O ₃ , %	0.6
Bulk Density, g/ml	
1 Tap	0.35±0.015
25 Tap	0.45±0.04
50 Tap	0.60±0.03
Loss on Ignition, %	2.1
Acid soluble iron, %	0.13
Acid soluble matter, %	1.3
Arsenic as As ₂ O ₃ , ppm	Nil
Loss on drying, %	0.6
Microbial Limits	
Total viable count (Fungal & Bacterial), CFU/g, Max.	133
Pathogens	Absent



Bharat Mines and Minerals

BM 502

Parameters	Specification
Description	Fine powder, odorless, free from gritty particles.
Fineness, Mesh	500*
Brightness, %	95
pH of 20% aqueous suspension	8.8
Matter Soluble in water, %	0.15
Magnesium as MgO, %	32.4
Alumina as Al ₂ O ₃ , %	0.6
Bulk Density, g/ml	
1 Tap	0.35±0.015
25 Tap	0.45±0.04
50 Tap	0.60±0.03
Loss on Ignition, %	2.1
Acid soluble iron, %	0.13
Acid soluble matter, %	1.3
Arsenic as As ₂ O ₃ , ppm	Nil
Loss on drying, %	0.6
Microbial Limits	
Total viable count (Fungal & Bacterial), CFU/g, Max.	133
Pathogens	Absent



Bharat Mines and Minerals

BM 9070

Parameters	Specification
Description	Fine powder, odorless, free from gritty particles.
Fineness, Mesh	500*
Brightness, %	97
pH of 20% aqueous suspension	8.8
Matter Soluble in water, %	0.15
Magnesium as MgO, %	32.4
Alumina as Al ₂ O ₃ , %	0.6
Bulk Density, g/ml	
1 Tap	0.35±0.015
25 Tap	0.45±0.04
50 Tap	0.60±0.03
Loss on Ignition, %	2.1
Acid soluble iron, %	0.13
Acid soluble matter, %	1.3
Arsenic as As ₂ O ₃ , ppm	Nil
Loss on drying, %	0.6
Microbial Limits	
Total viable count (Fungal & Bacterial), CFU/g, Max.	133
Pathogens	Absent



Bharat Mines and Minerals

BM 9080

Parameters	Specification
Description	Fine powder, odorless, free from gritty particles.
Fineness, Mesh	500*
Brightness, %	98
pH of 20% aqueous suspension	9.0
Matter Soluble in water, %	0.15
Magnesium as MgO, %	32.4
Alumina as Al ₂ O ₃ , %	0.6
Bulk Density, g/ml	
1 Tap	0.25±0.015
25 Tap	0.40±0.04
50 Tap	0.55±0.03
Loss on Ignition, %	2.1
Acid soluble iron, %	0.13
Acid soluble matter, %	1.3
Arsenic as As ₂ O ₃ , ppm	Nil
Loss on drying, %	0.6
Microbial Limits	
Total viable count (Fungal & Bacterial), CFU/g, Max.	133
Pathogens	Absent



Bharat Mines and Minerals

BM 9090

Parameters	Specification
Description	Fine powder, odorless, free from gritty particles.
Fineness, Mesh	500*
Brightness, %	99
pH of 20% aqueous suspension	9.0
Matter Soluble in water, %	0.15
Magnesium as MgO, %	32.4
Alumina as Al ₂ O ₃ , %	0.6
Bulk Density, g/ml	
1 Tap	0.25±0.015
25 Tap	0.40±0.04
50 Tap	0.55±0.03
Loss on Ignition, %	2.1
Acid soluble iron, %	0.13
Acid soluble matter, %	1.3
Arsenic as As ₂ O ₃ , ppm	Nil
Loss on drying, %	0.6
Microbial Limits	
Total viable count (Fungal & Bacterial), CFU/g, Max.	133
Pathogens	Absent



Bharat Mines and Minerals

Cosmetic Grade

BM 3090

Parameters	Specification
Description	Fine powder, odorless, free from gritty particles.
Fineness, Mesh	300
Brightness, %	90
pH of 20% aqueous suspension	8.1
Matter Soluble in water, %	0.13
Magnesium as MgO, %	31.7
Alumina as Al ₂ O ₃ , %	0.6
Bulk Density, g/ml	
1 Tap	0.505±0.015
25 Tap	0.65±0.04
50 Tap	0.71±0.03
Loss on Ignition, %	3.3
Acid soluble iron, %	0.26
Acid soluble matter, %	3.3
Arsenic as As ₂ O ₃ , ppm	Nil
Loss on drying, %	0.6
Microbial Limits	
Total viable count (Fungal & Bacterial), CFU/g, Max.	235
Pathogens	Absent



Bharat Mines and Minerals

BM 3092

Parameters	Specification
Description	Fine powder, odorless, free from gritty particles.
Fineness, Mesh	300
Brightness, %	95
pH of 20% aqueous suspension	8.1
Matter Soluble in water, %	0.13
Magnesium as MgO, %	31.7
Alumina as Al ₂ O ₃ , %	0.6
Bulk Density, g/ml	
1 Tap	0.505±0.015
25 Tap	0.65±0.04
50 Tap	0.71±0.03
Loss on Ignition, %	3.3
Acid soluble iron, %	0.26
Acid soluble matter, %	3.3
Arsenic as As ₂ O ₃ , ppm	Nil
Loss on drying, %	0.6
Microbial Limits	
Total viable count (Fungal & Bacterial), CFU/g, Max.	235
Pathogens	Absent



Bharat Mines and Minerals

Paint Grade

BM 3092

Parameters	Specification
Description	Fine powder, odorless, free from gritty particles.
Fineness, Mesh	300
Brightness, %	95
pH of 20% aqueous suspension	8.1
Matter Soluble in water, %	0.13
Magnesium as MgO, %	31.7
Alumina as Al ₂ O ₃ , %	0.6
Bulk Density, g/ml	
1 Tap	0.505±0.015
25 Tap	0.65±0.04
50 Tap	0.71±0.03
Loss on Ignition, %	3.3
Acid soluble iron, %	0.26
Acid soluble matter, %	3.3
Arsenic as As ₂ O ₃ , ppm	Nil
Loss on drying, %	0.6
Microbial Limits	
Total viable count (Fungal & Bacterial), CFU/g, Max.	235
Pathogens	Absent



Bharat Mines and Minerals

Paper Grade

BM 4092

Parameters	Specification
Description	Fine powder, odorless, free from gritty particles.
Fineness, Mesh	300
Brightness, %	92
pH of 20% aqueous suspension	8.1
Matter Soluble in water, %	0.13
Magnesium as MgO, %	31.7
Alumina as Al ₂ O ₃ , %	0.6
Bulk Density, g/ml	
1 Tap	0.505±0.015
25 Tap	0.65±0.04
50 Tap	0.71±0.03
Loss on Ignition, %	3.3
Acid soluble iron, %	0.26
Acid soluble matter, %	3.3
Arsenic as As ₂ O ₃ , ppm	Nil
Loss on drying, %	0.6
Microbial Limits	
Total viable count (Fungal & Bacterial), CFU/g, Max.	235
Pathogens	Absent



Bharat Mines and Minerals

Pharmaceutical Grade

BM 9090

Parameters	Specification
Description	Fine powder, odorless, free from gritty particles.
Fineness, Mesh	500*
Brightness, %	99
pH of 20% aqueous suspension	9.0
Matter Soluble in water, %	0.15
Magnesium as MgO, %	32.4
Alumina as Al ₂ O ₃ , %	0.6
Bulk Density, g/ml	
1 Tap	0.25±0.015
25 Tap	0.40±0.04
50 Tap	0.55±0.03
Loss on Ignition, %	2.1
Acid soluble iron, %	0.13
Acid soluble matter, %	1.3
Arsenic as As ₂ O ₃ , ppm	Nil
Loss on drying, %	0.6
Microbial Limits	
Total viable count (Fungal & Bacterial), CFU/g, Max.	133
Pathogens	Absent