

THE CHEMICAL BROTHERS GROUP

Specifications: SODIUM ALUMINA SILICATE

Formula: Na₂O•Al₂O₃•2SiO₂

CAS: 1344-00-9

Date of Mfg.: 1st April 2024

Grade / Properties	Unit	Value1	Value2	Value3	Value4
MASIL	-	MASIL-7	MASIL-723	8.0 Microns	MASIL-7 (8.0 Microns)
Appearance	-	White Free Flowing Powder	-	-	-
Loss on Drying (at 105°C, 2 hrs.) %	4.5	4.5	4.5	4.5	4.5
Ignition Loss (at 1000° C for 2 hrs. on anhydrous basis) % Max.	15.0	15.0	15.0	15.0	15.0
pH (in 20% aqueous solution)	9.0 - 10.5	6.0 - 7.5	6.5 - 7.5	9.0 - 10.5	-
SiO ₂ on Anhydrous basis - % Min.	84.0	84.0	84.0	84.0	84.0
Soluble Salts - % Max.	1.0	1.0	1.0	1.0	1.0
Average Particle Size, (D50)(By Malvern Instrument) - Microns	5.3	5.3	5.3	8.0	-
% 325 Mesh Screen Residue (Wet) - %	0.10	0.10	0.10	0.10	0.10
Oil Absorption - cc/gm	80 - 130	80 - 130	80-100	80 - 130	-
BET Surface Area, m ² /gm	60-120	60-120	45-70	60-120	-
Total Heavy Metals (as Pb) - ppm (max.)	15.0	15.0	15.0	15.0	15.0
Behaviour with Water	Hydrophillic	Hydrophillic	Hydrophillic	Hydrophillic	Hydrophillic
Arsenic - ppm (max.)	2.0	2.0	2.0	2.0	2.0

End of Report*