



HANS CHEMICALS PRIVATE LIMITED

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SUPER FINE

Elements	Method	Specifications	Typical value
Total Zinc	Calculation	$\geq 98.5 \%$	99 %
Metalic Zinc	Gas evolution	$\geq 94.0 \%$	95-96 %
Pb	AA (ISO3549)	$\leq 0.1 \%$	0.03 %
Cd	AA (ISO3549)	$\leq 0.04 \%$	0.01 %
Fe	AA (ISO3549)	$\leq 0.005 \%$	0.001 %
Others	AA (ISO3549)	$\leq 0.001 \%$	traces

		Specifications	Typical value
Average particle size	Fisher sub sieve sizer ASTM B330-07	$3.7 \mu - 4.5 \mu$	4.2 μ
Sauter Mean Diameter (*)	Laser diffraction		3.2 μ
Cut off diameter	Laser diffraction		25 μ
Sieve residue at 45 μ m	Vacuum sieve ISO 3549	$\leq 0.01 \%$	0.005 %

(*) SMD or D(3,2) is the diameter of a particle having the same volume to surface area as the total volume to the total surface area of all particles

			Indicative values
Oil absorption	Spatula rubout	ASTM D281	6.5 %
BET	N ₂ adsorption		0.4 m ² /g
Bulk density	Scott volumeter	ASTM B329-06	2.3 g/cm ³
Tamped density	Engelsmann	ISO R/787	4.0 g/cm ³