



# HANS CHEMICALS PRIVATE LIMITED

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## STANDARD 5

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

		Specifications	Typical value
<b>Average particle size</b>	Fisher sub sieve sizer ASTM B330-07	<b>4.5 <math>\mu</math> - 6.0 <math>\mu</math></b>	5.0 $\mu$
<b>Sauter Mean Diameter (*)</b>	Laser diffraction		4.2 $\mu$
<b>Cut off diameter</b>	Laser diffraction		40 $\mu$
<b>Sieve residue at 45 <math>\mu</math>m</b>	Vacuum sieve ISO 3549	$\leq 0.02 \%$	0.010 %

(\*) 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
<b>Oil absorption</b>	Spatula rubout	ASTM D281	6.3 %
<b>BET</b>	N2 adsorption		0.3 m <sup>2</sup> /g
<b>Bulk density</b>	Scott volumeter	ASTM B329-06	2.6 g/cm <sup>3</sup>
<b>Tamped density</b>	Engelsmann	ISO R/787	4.1 g/cm <sup>3</sup>