

# Zeolite powder / Zeolith Pulver

(Sodium Alumino Silicate) / (Natrium Aluminiumsilikat)

## Type: ZP – 4A TSR

Main Application: Production of detergents, chemical industry  
Haupt Einsatzgebiet: Waschmittelproduktion, chemische Industrie

Chemical Characteristics / Chemische Eigenschaften [%]		
	Typical / Typisch	This
Na <sub>2</sub> O	17 - 19	
Al <sub>2</sub> O <sub>3</sub>	28 - 30	
SiO <sub>2</sub>	31 - 34	
H <sub>2</sub> O	18 - 22	

Heavy metals (anhydrous water soluble basis) / Schwermetalle (Atro Basis)		
	Typical / Typisch	
Cr	1	ppm max.
Co	1	ppm max.
Ni	1	ppm max.
As	3	ppm max.
Ti	5	ppm max.
Fe	50	ppm max.
Fe (total / gesamt)	200	ppm max.

Physical Characteristics / Physikalische Eigenschaften			
		Typical / Typisch	
Anhydrous solids content (1h/800°C) / Glühverlust (1h/800°C)	[%]	78 – 82	
Reflectance (R 460) / Hellbezugswert (R 460)	[%]	min	94
Bulk Density – no taped / Schüttgewicht – lose	[g/l]	280 – 380	
pH (5% Slurry) / pH – Wert (5%ige Suspension)		11 – 12	
Calcium ion exchange capacity / Kalzium Bindevermögen	[mgCaO / g anhydrous]	min	160
<b>Particle Size Distribution / Mittlere Korngrösseverteilung</b>			
> 10 microns	[%]	max	10
< 1 micron	[%]	max	10
Average (D50) / Mittelwert (D50)	[µm]	3 – 5	
Sieve residue (%>than 45 µm) / Siebrückstand (%>als 45 µm)	[%]	max	0,0
Characteristics / Eigenschaften	Fine white powder with no visible impurities / Feines weißes Pulver ohne sichtbare Verunreinigungen.		

## Standard Packing / Standard Verpackung

- In bulk / Lose
- Paper Bags 25 kg / Papiersäcke 25 kg
- Big Bags

Rev: 09 - 06