



SINWON INDUSTRIAL CO., LTD.

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TECHNICAL DATA SHEET

1. Product name <Grade> : HI-TAL < P4 >
2. Chemical name : Mg-Zn-Al Hydrotalcite
3. Synonyms : Magnesium Zinc Aluminium Hydroxy Carbonate Hydrate
4. CAS number : None
5. EINECS/ELINCS number : 422-150-1(ELINCS number)
6. The first date of preparation : 1 JUNE 2008
7. The last revision date & number : 20 January 2009 (1st)

Items	UNIT	SPECIFICATIONS	Test methods
Appearance	-	White powder	
Molar ratio(MgO/Al ₂ O ₃)	-	2.8 - 3.2	
Molar ratio(ZnO/Al ₂ O ₃)	-	0.8 - 1.2	
Bulk Density	g/cc	0.4 ± 0.1	
Drying Loss (105°C, 1hr)	%	Max. 0.3	SWI Research
pH(1g/50ml EtOH)	-	8.5 - 9.5	DEPT-05
Average particle size	µm	0.7 ± 0.2	
Refractive Index	-	1.53 - 1.55	
Specific surface area	m ² /g	5 - 20	
Starting Dehydration point	°C	Approx. 185	

Manager of QC & Research DEPT



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