

## Certificate of Analysis

### Magnesium Aluminum Silicate (HZ-MAS-HS)

Sihong Huizhi Fine Chemical Co.,Ltd.

BATCH NO.:20130220, QUANTITY:1000KG

MFD.DATE: 20.FEB.2013

EXP.DATE: 19.FEB.2016

NO.	Test	Standard	Test result
1.	Characteristics	Almost white to off white free flowing,tasteless odorless,slippery granules or flakes <b>(Completely free from foreign and black particles)</b>	Almost white to off white free flowing,tasteless odorless,slippery granules or flakes <b>(Completely free from foreign and black particles)</b>
2.	Solubility	Dispersible in water	Dispersible in water
3.	Identification	Responds to tests for identification	Tallying
4.	pH (5% w/v)	7 – 9.5	7.8
5.	Water	N.M.T 15%	5%
6.	Residue on ignition	N.M.T 18%	9%
7.	Viscosity(5% w/v)	40-200 cps (Dispersion)	120cps
8.	Acid Demand	N.M.T 4%	1%
9.	Particle size	Less than 250 micron for granules and for flakes less than 1mm length and less than 250 micron thickness	Tallying
10.	Arsenic	N.M.T 3 ppm	0.9ppm
11.	Heavy metals	N.M.T 15 ppm	4.9ppm
12.	Al / Mg ratio	3.5 – 5.5	4.2
13.	Microbial Limit	No Pathogenic strains less than 500 cfu/g bacteria less than 100 cfu/g fungi and yeast	189cfu/g bacteria 0cfu/g fungi and yeast

**Packaging;** should be kept in an airtight tamper-proof container and protected from light.