



FRP Services & Co.

TECHNICAL DATA SHEET

Product code: MICROGLAS® METASHINE® MT ZC series

MT1080ZC, MT1030ZC

ZR: Red powder with interference red

ZB: Blue powder with interference blue

ZG: Green powder with interference green

1. Quality

Item	Specification*		remark
Appearance	No foreign materials that may cause any problem on use of this product.		Visual
odor	No odor		Smelling
Color	There is not great difference between Product and Standard.		Visual
Particle size distribution(μm)	MT1080ZC	75 - 100	Laser diffraction
	MT1030ZC	28 - 38	
Loss on drying (%)	0.5 or less		JSQI**
Loss on ignition (%)	1.0 or less		JSQI***
Water soluble substances (%)	2.0 or less		JSQI**
Dissolution of Alkali (ml)	3.0 or less		JSQI**
Pb (ppm)	10 or less		JSQI**
As (ppm)	2 or less		JSQI**

* These specifications are provisional.

** The Japanese Standards of Quasi-Drug Ingredients, "Glass Powder"

*** The Japanese Standards of Quasi-Drug Ingredients, "General Method"

2. Component information (range / fixed value)

Labeling Name Item	BOROSILICATE (Ca/Al)		TITANIUM DIOXIDE		TIN OXIDE		Au	
CAS number	65997-17-3		13463-67-7		18282-10-5		7440-57-5	
TSCA	65997-17-3		13463-67-7		18282-10-5		7440-57-5	
Product Code / wt%	Range	Fixed	Range	Fixed	Range	Fixed	Range	Fixed
MT1000 ZR	75~85	79.65	15~25	20	<0.1	0.05	<0.9	0.3
MT1000 ZB	72~82	73.65	21~31	26	<0.1	0.05	<0.9	0.3
MT1000 ZG	69~79	70.65	24~34	29	<0.1	0.05	<0.9	0.3

☐ : number

Above all