

**Specification Number: MC-301**
**Date : December 3, 2013**
**Revision Status : 1**

## Zirconium Silicate Flour MC-301

Product Name	Zirconium Silicate Flour
Molecular Formula	ZrSiO <sub>4</sub>
Molecular Weight	183.26
CAS Number	14940-68-2
Available Form	Powder
Major Applications	Ceramic Frits

### STANDARD SPECIFICATION

PARAMETER	SPECIFICATION	TEST METHOD NUMBER
Purity Content ( as ZrO <sub>2</sub> + HfO <sub>2</sub> ) (%)	65.0 (Min)	XRF-1301
Fe <sub>2</sub> O <sub>3</sub> (%)	0.1 (Max)	XRF-1301
TiO <sub>2</sub> (%)	0.15 (Max)	XRF-1301
Thorium (ppm)	200 (Max)	XRF-1301
Uranium (ppm)	350 (Max)	XRF-1301

### PHYSICAL PROPERTIES

PARAMETER	VALUE
Particle Distribution D50 (Malvern) (µm)	14 ± 4

*The technical data, specifications, items stated herewith are for customer's reference and are based on our most reliable data obtained by our company. They are made without any warranty implicitly or explicitly. Customers are advised to make own careful examination.*