



TECHNICAL PRODUCT  
SPECIFICATION

ET-03:SPECIFICATION  
ZIRCOSIL FIVE

ZIRCOSIL (SPAIN) S.L

INTERNAL USE

SHEET 1/1

REVISION: 4

DATE: 04/01/2016

COMMERCIAL NAME: ZIRCOSIL FIVE

CHEMICAL FORMULATION Zirconium Silicate ( $\text{SiO}_4\text{Zr}$ ).

APPEARANCE OF THE MATERIAL: White Powder.

TYPICAL SPECIFICATION

1) CHEMICAL COMPOSITION:

Sílica	( $\text{SiO}_2$ )	min.33,0%/max. 36,0%
Zirconium Oxide	( $\text{ZrO}_2$ )	min.61,0%/max. 65,0%
Alumina	( $\text{Al}_2\text{O}_3$ )	max. 1,0%
Iron Oxide	( $\text{Fe}_2\text{O}_3$ )	max. 0,15%
Hafnio Oxide	( $\text{HfO}_2$ )	min.0,90%/max. 1,30%
Titanium Oxide	( $\text{TiO}_2$ )	max. 0,30%
Oxides (Zirconium+Hafnio)		min.61,9%/máx. 65,3% (Summands)

This test is performed with Philips equipment fluorescence X-ray analytical model: PW2400/00 (XRF).

2) PARTICLE SIZE DISTRIBUTION:

Malvern d50 from 1,4  $\mu\text{m}$  to 1,60  $\mu\text{m}$

This test is performed using the Malvern Mastersizer 2000 equipment.

MADE BY:  
QUALITY MANAGER  
ENVIRONMENT AND  
LABOR RISK PREVENTION

APPROVED BY:  
PRODUCTION MANAGER