



## Reparto Assicurazione Qualità

Quality Assurance Department

Caratteristiche fisiche e chimiche Physical and chemical characteristics		
ZIRCOBIT S501		
Analisi Chimica <sup>(*1)</sup> Chemical Analysis	Tipica Typical	Garantito Garantee
ZrO <sub>2</sub> +HfO <sub>2</sub>	58 ± 1 %	56 % min
SiO <sub>2</sub> total	34,0 ± 0,5 %	37 % max
SiO <sub>2</sub> free	5,0 ± 0,5 %	8 % max
Al <sub>2</sub> O <sub>3</sub>	6,5 ± 0,5 %	9 % max
TiO <sub>2</sub>	0,4 ± 0,1 %	1,0 % max
Fe <sub>2</sub> O <sub>3</sub>	0,10 ± 0,02 %	0,2 % max
K <sub>2</sub> O	n.d.	n.d.
LOI <sup>(*2)</sup>	0,6 ± 0,2 %	1,0% max
Granulometria <sup>(*3)</sup> Particle Size	D50 = 1,4 ± 0,2 µm	
Attività Specifica γ <sup>(*4)</sup> Specific Activity γ	<sup>226</sup> Ra ≤ 4,3 Bq/g <sup>232</sup> Th ≤ 1,0 Bq/g <sup>226</sup> Ra + <sup>232</sup> Th ≤ 5,0 Bq/g	
Metodo Method	<sup>(*1)</sup> IOS 14/02/03 Industrie Bitossi S.p.A. Ed. in vigore/currently used <sup>(*2)</sup> IOS 16/02/03 Industrie Bitossi S.p.A. Ed. in vigore/currently used <sup>(*3)</sup> IOS 01/02/03 Industrie Bitossi S.p.A. Ed. in vigore/currently used <sup>(*4)</sup> IOS 17/02/03 Industrie Bitossi S.p.A. Ed. in vigore/currently used	

Approvato dal Responsabile di Produzione  
Approved by Production Manager

