

# Technical Data Sheet

# Techfil

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(Europe) Limited

TECHNICAL DATA SHEET		
<b>1. PRODUCT NAME</b>	<b>REFERENCE</b>	
<i>Pumice Filtration Media</i>	<i>No.6</i>	
<b>2. MAIN INTENDED USE</b>		
Recommended as a filter media for waste, industrial and drinking water treatments. Used as a filter media in desalination and SWRO applications.		
<b>3. CHEMICAL DESCRIPTION</b>		
This media contains no free silica		
<b>Compound/Element</b>	<b>Chemical Formula</b>	<b>Typical Content</b>
Silicon Dioxide	SiO <sub>2</sub>	72.73%
Aluminium Oxide	Al <sub>2</sub> O <sub>3</sub>	12.20%
Potassium Oxide	K <sub>2</sub> O	4.49%
Sodium Oxide	Na <sub>2</sub> O	4.61%
Iron Oxide	Fe <sub>2</sub> O <sub>3</sub>	1.40%
Calcium Oxide	CaO	0.30%
Magnesium Oxide	MgO	0.00%
Titanium Dioxide	TiO <sub>2</sub>	<0.20%
Sulphur Trioxide	SO <sub>3</sub>	<0.20%
Manganese Oxide	MnO	<0.10%
Carbon Dioxide	CO <sub>2</sub>	<0.10%
Determined by FAAS		
Zinc	Zn	<99.4 ppm
Selenium	Se	<12.0 ppm
Lead	Pb	<12.0 ppm
Arsenic	As	<12.0 ppm
Copper	Cu	<7.2 ppm
Cadmium	Cd	<2.4 ppm
Mercury	Hg	<0.03 ppm
<b>4. PHYSICAL PROPERTIES</b>	a. Bulk Density	390 – 410 kg/m <sup>3</sup>
	b. Packed Density	440 – 460 kg/m <sup>3</sup>
	c. Wet Density	835 kg/m <sup>3</sup>
	d. Specific Gravity	2.40 g/cm <sup>3</sup>
	e. pH Value	7.0 – 8.0
	f. Hardness	6.0 Mohs
	g. d10	1.29 mm
	h. d60	1.71 mm
	i. Uniformity Coefficient	1.33
<b>5. PARTICLE SIZE DISTRIBUTION</b>	<b>Microns</b>	<b>% Retained</b>
	2362	0 - Trace
	2000	0 - 15
	1651	20 - 45
	1410	30 - 55
	840	5 - 20
	595	0 - 5
PAN	0 - 5	
Maximum 5% undersize. Maximum 5% oversize.		
<b>6. PACKAGING</b>		
Packed in 1.25 m <sup>3</sup> IBC big bags (approximately 500kg per bag).		

These results are based on analysis carried out on a representative sample of the relevant batch and do not release you from the obligation to test the product as to the suitability for its intended use.