

# TECHNICAL DATA SHEET OF FILTRATION DIATOMITE F 50

## PHYSICAL AND CHEMICAL PROPERTIES

Filtration velocity		$\text{l.min}^{-1}.\text{m}^{-2}$		450 - 550
Permeability		Darcy		0,5 - 0,9
Bulk density		$\text{kg.m}^{-3}$	max.	300
Density (wet)		$\text{kg.m}^{-3}$	max.	500
Grain size/sieve residue				
0,25 mm		%	max.	0
0,045 mm		%	max.	15
Water extract pH				7 - 9
Technological humidity		%	max.	1
Chemical analysis				
	$\text{SiO}_2$	%	min.	78
	$\text{Al}_2\text{O}_3$	%	max.	13
	$\text{Fe}_2\text{O}_3$	%	max.	1,5
Loss of drying		%	max.	0,5
Heavy metals content				
COMPENDIUM OF FOOD ADDITIVE SPECIFICATIONS VOLUME 1 (ROME)				
	As	$\text{mg.kg}^{-1}$	<	10,0
	Pb	$\text{mg.kg}^{-1}$	<	10,0
	Heavy metals	$\text{mg.kg}^{-1}$	<	50,0
Beer soluble				
	Fe	$\text{mg.kg}^{-1}$	max.	40
	Ca	$\text{mg.kg}^{-1}$	max.	100
	Al	$\text{mg.kg}^{-1}$	max.	140
Smell				No
Taste				No
Colour				beige
Quartz		%	max.	6
Cristobalite		%	max.	5
Tridymite		%	max.	2