

Product Test Specification

Specification No:	BSL03	Version:	02
Legacy Ref:	06,22,43,50	Review	3 years
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PDV Salt for Water Treatment

Conforms to BS EN 973:2009 "Chemicals used for treatment of water intended for human consumption – Sodium Chloride for regeneration of ion exchangers"

Chemical Analysis	BS EN 973:2009 Standard	British Salt Typical	Unit
Assay (dry basis)	99.4 % Min	99.9 %	as NaCl
Moisture	0.6 % Max	0.03 %	As H ₂ O
Water Insoluble Matter	0.05% Max	30 mg/kg	-
Arsenic	13 mg/kg Max	<0.02 mg/kg	as As
Cadmium	1.3 mg/kg Max	<0.005 mg/kg	as Cd
Chromium	13 mg/kg Max	<0.20 mg/kg	as Cr
Mercury	0.26 mg/kg Max	<0.01 mg/kg	as Hg
Nickel	13 mg/kg max	<0.01mg/kg	as Ni
Lead	13 mg/kg Max	<0.01 mg/kg	as Pb
Antimony	2.6 mg/kg Max	<0.01 mg/kg	as Sb
Selenium	2.6 mg/kg max	<0.008 mg/kg	as Se
*Anti-caking agent (E535)	20.0 mg/kg Max 28.7 mg/kg Max	8.4 mg/kg 11.9 mg/kg	as [Fe(CN) ₆] ⁴⁻ as Na ₄ Fe(CN) ₆

Chemical Analysis	British Salt Typical Values (Not stipulated in BS EN973:2009)		
Sodium Sulphate	n/a	350 mg/kg	as Na ₂ SO ₄
Potassium	n/a	<0.004mg/kg	as K
Calcium	n/a	17.5 mg/kg	as Ca
Magnesium	n/a	<0.04 mg/kg	as Mg

Physical Analysis by grade		British Salt Specification (Not stipulated in BS EN973:2009)		
PDV	Appearance	White Crystalline	-	Complies
	+1400µm	0	% Max	Retained
	+850µm	08	% Max	Retained
	+425µm	56	% Max	Retained
	+300µm	91	% Max	Retained
	Bulk Density	1.22 to 1.32	g cm ⁻³	-
Granulite	Appearance	Large Salt granules	2 to 6 mm	Typical
	Bulk Density	1.07 to 1.14	g cm ⁻³	Loose Tapped
Aquadol	Appearance	Pillow Shaped Briquette	25mm x 20mm x 14mm approx.	Complies
	Fines Content	5	% Max (5mm)	Retained
Aquadol Block Salt	Appearance	4kg Block of Salt	265mm x 89mm x 89mm	Complies