

PDV Boric Acid 2% Mix

DESCRIPTION

A blended mixture of Pure Dried Vacuum Salt 98% and Boric Acid 2%

CHEMICAL SPECIFICATION – PURE DRIED VACUUM SALT

Test methods used are as given in BS998:1990 or equivalent, except appearance which is a visual assessment.

COMPONENT	UNIT	SPECIFICATION	TYPICAL ANALYSIS
Appearance		White Crystalline	
Assay (dry basis)	%m/m NaCl	99.9 min.	99.9
Surface Moisture	%m/m H ₂ O	0.05 max.	0.02
Insoluble matter	mg/kg	<50	<10
Alkalinity	mg/kg Na ₂ CO ₃	<150	67
Sulphate	mg/kg Na ₂ SO ₄	<500	181
E535, Sodium Hexacyanoferrate II	mg/kg Na ₄ Fe(CN) ₆	14 max.	6.7
Total Iron	mg/kg Fe	<5	1.3
Total Calcium	mg/kg Ca	<20	2.4
Total Magnesium	mg/kg Mg	<5	0.7
Total Copper	mg/kg Cu	2 max.	<0.1
Total Arsenic	mg/kg As	0.3 max.	<0.01
Total Lead	mg/kg Pb	1 max.	<0.1
Total Cadmium	mg/kg Cd	0.2 max.	<0.01
Total Mercury	mg/kg Hg	0.05 max.	<0.03
Total Nickel	mg/kg Ni	0.75 max.	<0.05
Total Chromium	mg/kg Cr	0.75 max.	<0.03
Total Selenium	mg/kg Se	2.6 max.	<0.2
Total Antimony	mg/kg Sb	2.6 max.	<0.2
Total Bromide	mg/kg Br	<120	80

PHYSICAL CHARACTERISTICS

Typical Pouring Density 1.25 - 1.30 g/cm³

Typical Sieve Analysis	BS410 ref.	% Through Sieve
	16 (1000µm)	100
	22 (710µm)	99.9
	30 (500µm)	97.1
	52 (300µm)	39.5
	85 (180µm)	9.0

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CHEMICAL SPECIFICATION BORIC ACID

Boric Acid (H_3BO_3) 99.99 – 100.20 %

Boric Oxide (B_2O_3) 56.29 – 56.41 %

	Typical	Maximum
Sulphate (SO_4)	0.005 %	0.01 %
Chloride (Cl)	0.005 %	0.0075 %
Iron (Fe)	0.00015 %	0.0003 %

Granulometry:-

		Retained %
A.S.T.M. Sieve No.:	20 (850 μ m)	1.5 % max

Bulk Density:-

	MT/m ³
Typical range	0.85 – 0.95

PACKAGING

Packed in 1000kg IBC