

ACID SODIUM PYROPHOSPHATE

Powder
FCC

Product data Product-No.:.....N 54-85
Chemical Name:Disodium Dihydrogendiphosphate
Chemical Formula: $\text{Na}_2\text{H}_2\text{P}_2\text{O}_7$
Molecular Weight:222
CAS-No.:.....7758-16-9
EINECS-No.:.....2318350
E-No.:.....E 450
Description:white powder

	Typical Analysis:	Specification:
Na_2O (%):.....	28	
P_2O_5 (%):	64	
Loss on Drying (%):	0,1	
(4h 60°C, 1h 105°C)		
pH-Value (1%):	4,2	approx. 4
Identification:.....	passes Tests	must pass Tests
Assay (%):	99	93 - 100,5
Arsenic as As (ppm):	< 1	max. 3
Lead (ppm):	< 1	max. 2
Fluoride (ppm):	5	max. 50
Insoluble Substances (%):.....	0,6	max. 1
Heavy Metals as Pb (ppm):	< 10	
Neutralization Value:.....	73	
Rate of Reaction (% CO_2 , 8min.):...not guaranteed		
Bulk Density (g/l):.....	900	
Screen Analysis:		
on 0,250 mm; 60 mesh (%):	< 0,1	
through 0,075 mm; 200 mesh (%): .	75	
Solubility (g/100g H_2O):		
25°C	13	

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Properties	<p>Acid Sodium Pyrophosphate in aqueous solution has a weak acid action. Solubility is practically unrelated to temperature.</p> <p>Acid Sodium Pyrophosphate is a mild acid carrier. The "cream of tartar" strength of this product is approximately 170. This means that 100 g of Acid Sodium Pyrophosphate reacts with Sodium Bicarbonate to produce the same quantity of Carbon Dioxide as 170 g Monopotassium Tartrate (Cream of Tartar).</p> <p>In common with all soluble Pyrophosphates, Acid Sodium Pyrophosphate has excellent emulsifying and dispersion efficiency and is capable of sequestering alkaline earth and metal ions.</p> <p>When heated, Acid Sodium Pyrophosphate melts to give Polyphosphates of various chain lengths.</p>
Application	<p>Cleaning Agents Drill Mud Treatment Food Metal Treatment Toothpastes</p>
Packing	<p>bags 25 kg net</p>
Storage	<p>store in a cool and dry place Shelf life 3 years</p>

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