



Certification of analysis

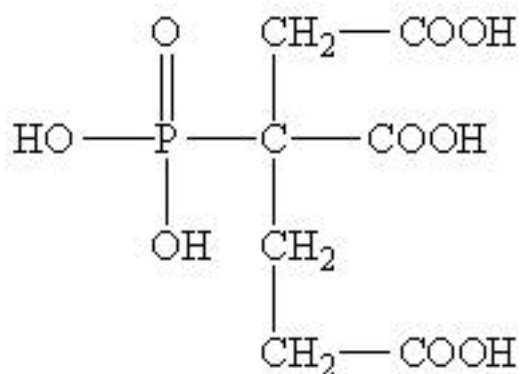
2-Phosphonobutane-1,2,4-Tricarboxylic Acid used as water treatment PBTC

PBTCA

CAS No.: 37971-36-1

MF: C₇H₁₁O₉P Molecular weight: 270.13

Structural Formula:



Properties:

PBTCA has low content of phosphoric, has structural features of both phosphoric acid and carboxylic acid group, which enable its excellent scale and corrosion inhibition properties. Its antiscaling property under high temperature is far better than that of organophosphines. It can improve zinc salt solubility, has good chlorine oxidation tolerance and good composite synergy.

Specification:

NAME	PBTC 50% CAS NO. 37971-36-1	
QUANTITY-TESTED	25MT-500ml	
TEST ITEM	STANDARD	RESULT
Appearance	Colorless or Light yellow transparent liquid.	Light-yellow transparent liquid
Active Content;	49-51%	50.03
Phosphoric Acid(as PO₄³⁻);%	0.2 Max.	0.05
Phosphoric Acid(as PO₃³⁻);%	0.5 Max.	0.17
Density(20°C);g/cm³	1.27-1.3	1.282



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PH Value(1% water solution)		1.5-1.9	1.86
Chloride(Cl);ppm		10 Max.	2.1
Iron(Fe);ppm		5 Max.	1.3
Color(APHA)		40.MAX	16
IDENTIFICATION		QUALIFIED	
ANALYST	MS.LI	DATE	2015-10-9
CHECKER	MS. ZHANG	DATE	2015-10-9

Usage:

PBTCA is a high efficient agent as scale and corrosion inhibitor. It is the excellent stabilizer for zinc salt. It is widely used in circulating cool water system and oilfield refill water system as scale and corrosion inhibitor, suitable to composite with zinc salt and copolymer. It can be used in situations of high temperature, high hardness, high alkali and high concentration index.

Package:

Normally In 250kg net Plastic Drum, 1250kg IBC drum can also be used as required.

Safety Protection:

Acidity, Avoid contact with eye and skin, once contacted, flush with water

