Phosphoric Acid 80%

1. IDENTIFICATION

CHEMICAL NAME: Phosphoric acid 80%

CHEMICAL FORMULA: H_3PO_4

CAS No.: 7664-38-2

EINECS No.: 231-633-2

MOLECULAR WEIGHT: 98

2. FEATURES

METHOD	DETERMINATIONS	VALUE	UNITS	TOLERANCE
(*)	Phosphoric acid (H_3PO_4)	80	% w/w	± 1
(*)	Total Phosphorus (P_2O_5)	58	% w/w	± 1
(*)	Density at 20 °C	1.63	g/ml	± 0.10
-	Arsenic (As)	1	ppm	Max
-	Fluoride (F)	10	ppm	Max
-	Calcium (Ca)	15	ppm	Max
-	Lead (Pb)	1	ppm	Max
-	Mercury (Hg)	1	ppm	Max
-	Cadmium (Cd)	1	ppm	Max
-	Chlorides (Cl)	7	ppm	Max
-	Nitrates	5	ppm	Max
-	Sulphates (Expressed in $CaSO_4$)	170	ppm	Max
-	Volatile acids (Expressed in $C_2O_2H_4$)	10	ppm	Max
Visual	Appearance	Clear and Viscous	-	-

3. APPLICATION

- Oil&Gas
- Fertilizer industry
- Industrial production of mineral salt for animal feed
- Beverages industry
- Pharmaceutical industry
- Manufacture of detergents
- Aluminium brightener
- Paint remover

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