

Ammonium dihydrogen phosphate

Art. ID	NIST-194a
Unit	90 g
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is a highly purified and homogeneous lot of crystalline ammonium dihydrogen phosphate (NH₄H₂PO₄). It is intended primarily for use as a working standard in the calibration and standardization of procedures employed in the fertilizer industry for the determination of ammoniacal nitrogen and phosphorus. A unit of NIST-194a consists of one bottle containing 90 g of crystalline ammonium dihydrogen phosphate. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
certified value	Nitrogen (N)	[7727-37-9]	12,130 ± 0,047	%		
certified value	Phosphorus (P)	[7723-14-0]	26,93 ± 0,14	%		
information value	Aluminium (Al)	[7429-90-5]	0,3	mg/kg		
information value	Antimony (Sb)	[7440-36-0]	0,01	mg/kg		
information value	Arsenic (As)	[7440-38-2]	0,4	mg/kg		
information value	Barium (Ba)	[7440-39-3]	<0,05	mg/kg		
information value	Beryllium (Be)	[7440-41-7]	<0,01	mg/kg		
information value	Bismuth (Bi)	[7440-69-9]	<0,01	mg/kg		
information value	Boron (B)	[7440-42-8]	6	mg/kg		
information value	Bromine (Br)	[7726-95-6]	<5	mg/kg		
information value	Cadmium (Cd)	[7440-43-9]	<0,1	mg/kg		
information value	Calcium (Ca)	[7440-70-2]	1	mg/kg		
information value	Cerium (Ce)	[7440-45-1]	<0,01	mg/kg		
information value	Cesium (Cs)		<0,01	mg/kg		
information value	Chlorine (Cl)	[7782-50-5]	9	mg/kg		
information value	Chromium (Cr)	[7440-47-3]	0,3	mg/kg		
information value	Cobalt (Co)	[7440-48-4]	<0,05	mg/kg		
information value	Copper (Cu)	[7440-50-8]	0,4	mg/kg		
information value	Dysprosium (Dy)	[7429-91-6]	<0,01	mg/kg		
information value	Erbium (Er)	[7440-52-0]	<0,01	mg/kg		
information value	Europium (Eu)	[7440-53-1]	<0,01	mg/kg		
information value	Fluorine (F)	[7782-41-4]	<5	mg/kg		
information value	Gadolinium (Gd)	[7440-54-2]	<0,01	mg/kg		
information value	Gallium (Ga)	[7440-55-3]	<0,05	mg/kg		
information value	Germanium (Ge)	[7440-56-4]	<0,05	mg/kg		
information value	Gold (Au)	[7440-57-5]	<0,05	mg/kg		
information value	Hafnium (Hf)	[7440-58-6]	<0,05	mg/kg		

information value	Holmium (Ho)	[7440-60-0]	<0,01	mg/kg
information value	Indium (In)	[7440-74-6]	<5	mg/kg
information value	Iodine (I)	[7553-56-2]	<10	mg/kg
information value	Iridium (Ir)	[7439-88-5]	<0,01	mg/kg
information value	Iron (Fe)	[7439-89-6]	2	mg/kg
information value	Lanthanum (La)	[7439-91-0]	<0,01	mg/kg
information value	Lead (Pb)	[7439-92-1]	<0,01	mg/kg
information value	Lithium (Li)	[7439-93-2]	<0,01	mg/kg
information value	Lutetium (Lu)	[7439-94-3]	<0,01	mg/kg
information value	Magnesium (Mg)	[7439-95-4]	0,3	mg/kg
information value	Manganese (Mn)	[7439-96-5]	0,2	mg/kg
information value	Mercury (Hg)	[7439-97-6]	<0,05	mg/kg
information value	Molybdenum (Mo)	[7439-98-7]	0,2	mg/kg
information value	Neodymium (Nd)	[7440-00-8]	<0,01	mg/kg
information value	Nickel (Ni)	[7440-02-0]	0,8	mg/kg
information value	Niobium (Nb)	[7440-03-1]	<0,05	mg/kg
information value	Osmium (Os)	[7440-04-2]	<0,01	mg/kg
information value	Palladium (Pd)	[7440-05-3]	<0,1	mg/kg
information value	Platinum (Pt)	[7440-06-4]	<0,01	mg/kg
information value	Potassium (K)	[7440-09-7]	22	mg/kg
information value	Praseodymium (Pr)	[7440-10-0]	<0,01	mg/kg
information value	Rhenium (Re)	[7440-15-5]	<0,01	mg/kg
information value	Rhodium (Rh)	[7440-16-6]	<0,01	mg/kg
information value	Rubidium (Rb)	[7440-17-7]	<0,05	mg/kg
information value	Ruthenium (Ru)	[7440-18-8]	<0,01	mg/kg
information value	Samarium (Sm)	[7440-19-9]	<0,01	mg/kg
information value	Scandium (Sc)	[7440-20-2]	<0,3	mg/kg
information value	Selenium (Se)	[7782-49-2]	<0,1	mg/kg
information value	Silicon (Si)	[7440-21-3]	25	mg/kg
information value	Silver (Ag)	[7440-22-4]	<0,1	mg/kg
information value	Sodium (Na)	[7440-23-5]	6	mg/kg
information value	Strontium (Sr)	[7440-24-6]	0,1	mg/kg
information value	Sulfur	[7704-34-9]	<10	mg/kg
information value	Tantalum (Ta)	[7440-25-7]	<0,05	mg/kg
information value	Tellurium (Te)	[13494-80-9]	<0,1	mg/kg
information value	Terbium (Tb)	[7440-27-9]	<0,01	mg/kg
information value	Thallium (Tl)	[7440-28-0]	<0,01	mg/kg
information value	Thorium (Th)	[7440-29-1]	<0,01	mg/kg

information value	Thulium (Tm)	[7440-30-4]	<0,01	mg/kg
information value	Tin (Sn)	[7440-31-5]	0,01	mg/kg
information value	Titanium (Ti)	[7440-32-6]	1	mg/kg
information value	Tungsten (W)	[7440-33-7]	<0,05	mg/kg
information value	Uranium (U)	[7440-61-1]	<0,01	mg/kg
information value	Vanadium (V)	[7440-62-2]	<0,01	mg/kg
information value	Ytterbium (Yb)	[7440-64-4]	<0,01	mg/kg
information value	Yttrium (Y)	[7440-65-5]	?0,1	mg/kg
information value	Zinc (Zn)	[7440-66-6]	0,2	mg/kg
information value	Zirconium (Zr)	[7440-67-7]	0,2	mg/kg