

110.5 - Fertilizers (powder form)

These SRMs are intended for use in the fertilizer industry as working standards.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Description >>	120c Phosphate Rock (Florida)	193 Potassium Nitrate	194a Ammonium Dihydrogen Phosphate	200b Potassium Dihydrogen Phosphate (Fertilizer Standard)	694 Phosphate Rock, Western	695 Trace Elements in Multi-Nutrient Fertilizer	2429 Flue Gas Desulfurization Gypsum
Unit Size >>	90 g	90 g	90 g	90 g	90 g	70 g	1 bottle x 200 g
(Concentrations are in mass fractions, in mg/kg, unless noted by an asterisk for %)							
Aluminum						0.61*	
Arsenic						200	2.53
Barium							49.6
Boron						0.111*	
Cadmium						16.9	
Cadmium oxide					0.015*		
Calcium						2.26*	
Calcium oxide	48.02*				43.6*		31.93*
Chlorine						(4.6*)	(23.5)
Chromium						244	2.74
Chromium oxide					(0.10*)		
Cobalt						65.3	
Copper						1225	
Fluorine					3.2*		
Iron						3.99*	
Iron oxide					0.79*		0.2357*
Lead						273	0.763
Magnesium						1.79*	(12.1)
Magnesium oxide					0.33*		0.0431*
Manganese						0.305*	
Manganese oxide					0.0116*		
Mercury						1.955	0.778
Molybdenum						20.0	
Nickel						135	
Nitrogen		13.85*	12.130*		1.8*	13.9*	
Phosphorus			26.93*	22.769*		7.2*	
Phosphorus pentoxide	33.34*				30.2*		0.01560*
Potassium		38.66*		28.735*		11.65*	(9.6)
Potassium oxide	0.147*				0.51*		0.04587*
Selenium						2.1	5.27
Silicon dioxide					11.2*		0.810*
Sodium						0.405*	(11.6)
Sodium oxide					0.86*		
Strontium							328.9
Titanium						(310)	
Titanium dioxide					(0.11*)		0.020*
Uranium					0.01414*		
Vanadium						122	
Vanadium pentoxide					0.31*		
Zinc						0.325*	

- Certified values are normal font
- Non-certified or reference values are italicized
- Non-certified values in parentheses are for information only