

Additive Elements in Polyethylene

Art. ID	NIST-2855
Unit	3 bottles (3 Levels, 80 g each)
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is intended for the calibration or evaluation of methods for elemental analysis of polymers. A unit of NIST-2855 consists of one bottle of Level I low-density polyethylene, one bottle of Level II high-density polyethylene, and one bottle of Level III high-density polyethylene. Each bottle contains approximately 80 g of material in pellet form. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Level II	Sodium (Na)	[7440-23-5]	16,0 ± 1,5	mg/kg		
Level II	Phosphorus (P)	[7723-14-0]	22,0 ± 1,5	mg/kg		
Level II	Sulfur (S)	[7704-34-9]	21,0 ± 1,4	mg/kg		
Level II	Calcium (Ca)	[7440-70-2]	37,6 ± 5,1	mg/kg		
Level II	Titanium (Ti)	[7440-32-6]	10,4 ± 0,3	mg/kg		
Level II	Chromium (Cr)	[7440-47-3]	2,4 ± 0,5	mg/kg		
Level II	Zinc (Zn)	[7440-66-6]	415 ± 20	mg/kg		
Level II	Sodium (Na)	[7440-23-5]	16,4 ± 1,3	mg/kg		
Level III	Phosphorus (P)	[7723-14-0]	41,6 ± 2,9	mg/kg		
Level III	Sulfur (S)	[7704-34-9]	41,2 ± 3,1	mg/kg		
Level III	Calcium (Ca)	[7440-70-2]	77,2 ± 2,4	mg/kg		
Level III	Titanium (Ti)	[7440-32-6]	10,4 ± 0,3	mg/kg		
Level III	Chromium (Cr)	[7440-47-3]	2,4 ± 0,5	mg/kg		
Level III	Zinc (Zn)	[7440-66-6]	807 ± 1	mg/kg		