

202.2 - Elements in Polymers

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 >> Unit Size >>	2855 Additive Elements in Polyethylene 3 Levels, 80 g each	2859 Restricted Elements in Polyvinyl Chloride 25 g	2861 Restricted Elements in Polyvinyl Chloride 25 g
Concentrations are expressed as mass fraction, in percent (%), unless otherwise noted.			
Antimony		(<0.001)	0.00678
Arsenic		(<0.001)	0.00239
Barium		(<0.001)	0.0740
Bromine	Level I: (<2 mg/kg) Level II: (<2 mg/kg) Level III: (<2 mg/kg)	0.0854	(<0.001)
Cadmium	Level I: (<3 mg/kg) Level II: (<3 mg/kg) Level III: (<3 mg/kg)	0.00734	0.00651
Calcium	Level I: (<1 mg/kg) Level II: 37.6 mg/kg Level III: 77.2 mg/kg	3.603	3.33
Chlorine		(33)	(35)
Chromium	Level I: (<1 mg/kg) Level II: 2.4 mg/kg Level III: 2.4 mg/kg	0.0716	0.00504
Copper		(0.0054)	(<0.0003)
Hexavalent Chromium (Cr ⁺⁶)		0.0480	Not Detected
Iron		0.00635	0.0058
Lead	Level I: (<2 mg/kg) Level II: (<2 mg/kg) Level III: (<2 mg/kg)	0.07982	0.00883
Mercury	Level I: (<3 mg/kg) Level II: (<3 mg/kg) Level III: (<3 mg/kg)	0.07695	0.00556
Phosphorus	Level I: (1 mg/kg) Level II: 22.0 mg/kg Level III: 41.6 mg/kg		
Selenium		(<0.001)	0.02441
Silicon	Level I: (<6 mg/kg) Level II: 186.7 mg/kg Level III: 183.1 mg/kg		
Sodium	Level I: (<4 mg/kg) Level II: 16.0 mg/kg Level III: 16.4 mg/kg	(0.037)	(0.006)
Sulfur	Level I: (<2 mg/kg) Level II: 21.0 mg/kg Level III: 41.2 mg/kg	0.1087	0.1006
Tin		0.1362	0.1294
Titanium	Level I: (<1 mg/kg) Level II: 10.4 mg/kg Level III: 10.4 mg/kg		
Zinc	Level I: (<0.5 mg/kg) Level II: 415 mg/kg Level III: 807 mg/kg		

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