

Identification of Potential Elemental Impurities Statement

Manufact	turer l	Names 8	Address	ses:		Contact Phone Number: 302-995-3400									
ISP Technologies Inc.ISP Chemicals LLC4501 Attwater Ave.455 North Main StreetTexas City, TX 77590 USACalvert City, KY 42029							Contact Email Address: pszawislak@ashland.com Date Form Filled Out: April 6, 2015								
	Material Name Polyplasdone™ crospovidone Source/Type of Excipient:MineralMineral derivedPlantPlant derived _XSyntheticFermentation derived														
Elemental Impurity		Class	Lil	kely to be	Present	If Known, Please Identify the Expected Concentration /Units (or Range)		Analytical Method Used (and Limit of Detection if Available)	Comments regarding source of information (i.e.; frequency of testing, process understanding, etc.)						
Arsenic (inorganic)	As	1	Yes 🗌	No 🖂	Unknown 🗌	<0.5 ppm		ICP-MS (detection limit is 0.5 ppm for ALL elements)	Test every lot						
Cadmium	Cd	1	Yes 🗌	No 🖂	Unknown 🗌	<0.5 ppm		ICP-MS	Test every lot						
Mercury (inorganic)	Hg	1	Yes 🗌	No 🛛	Unknown 🗌	<0.5	5 ppm	ICP-MS	Test every lot						
Lead	Pb	1	Yes 🗌	No 🖂	Unknown 🗌	<0.5 ppm		ICP-MS	Test every lot						
Cobalt	Co	2A	Yes 🗌	No 🖂	Unknown 🗌	<0.5 ppm		ICP-MS	Test every lot						
Nickel	Ni	2A	Yes 🗌	No 🖂	Unknown 🗌	<0.5 ppm		ICP-MS	Test every lot						
Vanadium	V	2A	Yes 🗌	No 🖂	Unknown 🗌	<0.5 ppm		ICP-OES (limit of detection is 0.5 ppm for ALL elements unless otherwise noted)	4 samples						
Silver	Ag	2B	Yes 🗌	No 🖂	Unknown 🗌	<0.5 ppm		ICP-MS	Test every lot						
Gold	Au	2B	Yes 🗌	No 🖂	Unknown 🗌	<0.5 ppm		ICP-OES	4 samples						



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Iridium	Ir	2B	Yes 🗌	No 🛛	Unknown 🗌	<0.5 ppm	ICP-OES	4 samples
Osmium	Os	2B	Yes 🗌	No 🛛	Unknown 🗌	<0.5 ppm	ICP-OES	4 samples
Palladium	Pd	2B	Yes 🗌	No 🛛	Unknown 🗌	<0.5 ppm	ICP-OES	4 samples
Platinum	Pt	2B	Yes 🗌	No 🛛	Unknown 🗌	<0.5 ppm	ICP-OES	4 samples
Rhodium	Rh	2B	Yes 🗌	No 🛛	Unknown 🗌	<0.5 ppm	ICP-OES	4 samples
Ruthenium	Ru	2B	2B Yes 🗌 No 🖾 Unkno		Unknown 🗌	<0.5 ppm	ICP-OES	4 samples
Selenium	Se	2B	Yes 🗌	No 🛛	Unknown 🗌	<1.3 ppm	ICP-OES (limit of detection 1.3 ppm)	4 samples
Thallium	TI	2B	Yes 🗌	No 🛛	Unknown 🗌	<0.5 ppm	ICP-OES	4 samples
Barium	Ва	3	Yes 🗌	No 🛛	Unknown 🗌	<0.5 ppm	ICP-OES	4 samples
Chromium	Cr	3	Yes 🗌	No 🖂	Unknown 🗌	<0.5 ppm	ICP-MS	Test every lot
Copper	Cu	3	Yes 🗌	No 🛛	Unknown 🗌	<0.5 ppm	ICP-MS	Test every lot
Lithium	Li	3	Yes 🗌	No 🛛	Unknown 🗌	<0.5 ppm	ICP-OES	4 samples
Molybdenum	Мо	3	Yes 🗌	No 🛛	Unknown 🗌	<0.5 ppm	ICP-MS	Test every lot
Antimony	Sb	3	Yes 🗌	No 🛛	Unknown 🗌	<0.5 ppm	ICP-MS	Test every lot
Tin	Sn	3	Yes 🗌	No 🛛	Unknown 🗌	<0.5 ppm	ICP-MS	Test every lot

Reference: ICH Q3D Guideline for Elemental Impurities, Dec 2014