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Manufacturer (if different than Supplier):	Date Form Filled Out: May 5, 2016

Elemental Impurities Statement

Material Name: NUCHAR® SA-20 activated carbon _____

Source/Type of Excipient: ___ Mineral ___ Mineral derived X Plant ___ Plant derived ___ Synthetic ___ Fermentation derived

Other (explain): _____

Elemental Impurity		Class	Likely 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.)
			Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>			
Arsenic (inorganic)	As	1	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		PIXE	
Cadmium	Cd	1	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP-OES	
Mercury (inorganic)	Hg	1	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP-OES	
Lead	Pb	1	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP-OES	
Cobalt	Co	2A	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP-OES	
Nickel	Ni	2A	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		PIXE	
Vanadium	V	2A	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		PIXE	
Silver	Ag	2B	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		PIXE	
Gold	Au	2B	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		PIXE	
Iridium	Ir	2B	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		PIXE	

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			Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>			
Osmium	Os	2B	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		PIXE	
Palladium	Pd	2B	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		PIXE	
Platinum	Pt	2B	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		PIXE	
Rhodium	Rh	2B	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		PIXE	
Ruthenium	Ru	2B	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		PIXE	
Selenium	Se	2B	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		PIXE	
Thallium	Tl	2B	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		PIXE	
Barium	Ba	3	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		PIXE	
Chromium	Cr	3	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		ICP-OES	
Copper	Cu	3	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		PIXE	
Lithium	Li	3	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		PIXE	
Molybdenum	Mo	3	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		PIXE	
Antimony	Sb	3	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		PIXE	
Tin	Sn	3	Yes <input type="checkbox"/>	No X	Unknown <input type="checkbox"/>		PIXE	

Reference: ICH Q3D Guideline for Elemental Impurities, Step 4 version, September 2014
