

## SPHERICAL GRADE TANTALUM POWDER

BATCH: 2020M00111565201-001

### CHEMICAL PROPERTIES – GASEOUS:

ELEMENT	MAX IMP. (ppm)	TECHNIQUE
O	1095	ELTRA – gas fusion
C	190	
N	105	

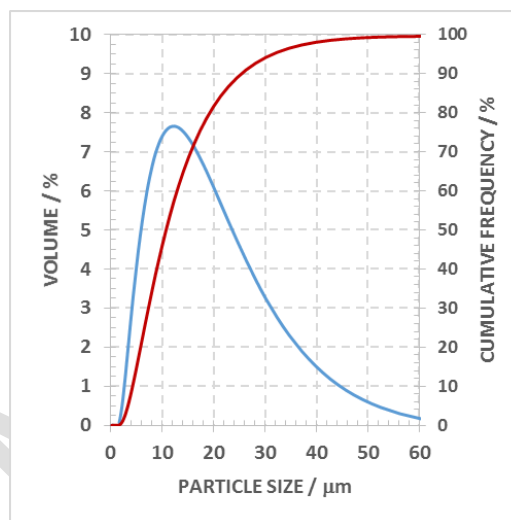
### CHEMICAL PROPERTIES – METALLICS:

ELEMENT	MAX IMP. (ppm)	TECHNIQUE
Na	<5	ICP-MS
Mg	1	
Si	<40	
P	<10	
Cl	<30	
K	<2	
Ca	17	
Ti	3	
Cr	2	
Mn	1	
Fe	14	
Ni	<15	
Cu	<5	
Nb	<1	
Mo	<10	
W	<1	

### PHYSICAL PROPERTIES:

TEST	VALUE	INSTRUMENT
App. Density	10 gcm <sup>-3</sup>	Manual
Tap Density	11 gcm <sup>-3</sup>	Manual
Surface Area	0.09 m <sup>2</sup> g <sup>-1</sup>	Micromeritics
Hall Flow	34 sec	ACuPowder
PSD d <sub>10</sub>	5µm	Malvern Mastersizer
PSD d <sub>50</sub>	13µm	
PSD d <sub>90</sub>	30µm	

### PARTICLE SIZE DISTRIBUTION:



### POWDER MORPHOLOGY:

