

# Recycled Cemented Tungsten Carbide Reclaimed Products

## Ionization-Reclaimed WC Powders (Typical)

(unit : %)

Element	Sample①	Sample②	Sample③
C	6.14	6.11	6.10
O	0.330	0.381	0.287
Co	0.0430	0.109	0.0764
Ni	0.0077	0.0229	0.0124
Cr	0.0666	0.0722	0.0482
Fe	0.0056	0.0204	0.0216
Cu	0.0002	0.0008	0.0009
Al	0.0002	0.0010	0.0033
Ti	0.0156	0.0520	0.0903
Cd	<0.0001	<0.0001	<0.0001
Mn	0.0001	0.0006	0.0008
Mg	0.0006	0.0008	0.0011
Mo	0.0009	0.0073	0.0262
Ca	0.0059	0.0049	0.0036
Na	<0.0010	<0.0010	<0.0010
K	<0.0010	<0.0010	<0.0010
Particle Size*1 ( $\mu\text{m}$ )	5.0	3.0	2.3

\*1 F.S.S.S.

## Zinc-Reclaimed WC Powders (Typical)

(unit : %)

Element	Sample①	Sample②	Sample③
C	5.39	5.62	5.70
Co	14.1	8.44	4.94
Ni	0.290	0.755	0.0105
Cr	0.0901	0.412	0.0300
Fe	0.0500	0.0503	0.0302
W	80.1	84.5	89.3
Zn	0.0012	0.0011	0.0019
Particle Size*1 ( $\mu\text{m}$ )	2.1	2.3	2.6

\*1 F.S.S.S.