

# Nuclear Grade DZO Pellets

PHYSICAL SPECIFICATIONS	
<b>Compound</b>	ZnO
<b>Form</b>	Pellets
<b><sup>64</sup>Zn</b>	<1.0 at %
<b>Pellet Dimensions</b>	
<b>Height</b>	10.0 ± 1.0 mm
<b>Diameter</b>	10.0 ± 1.0 mm
<b>Pellet Density</b>	>4.77 g/cm <sup>3</sup>
<b>Chemical Purity</b>	>99.8 wt %

Note: Actual DZO specifications subject to quotation.  
Please contact us if your requirements vary from ISOFLEX's typical specifications.  
DZO is available in both powder and pellet forms.



DZO PELLET SPECIFICATIONS		
Element	Symbol	Impurity Limits (PPM)
Aluminum	Al	≤50
Antimony	Sb	≤10
Arsenic	As	≤10
Barium	Ba	≤10
Bismuth	Bi	≤10
Boron	B	≤10
Bromine	Br	≤10
Cadmium	Cd	≤10
Calcium	Ca	≤10
Carbon (Total)	C	≤500

<b>DZO PELLET SPECIFICATIONS (continued)</b>		
Chlorine	Cl	≤20
Chromium	Cr	≤10
Cobalt	Co	≤10
Copper	Cu	≤10
Fluorine	F	≤20
Hafnium	Hf	≤10
Indium	In	≤10
Iodine	I	≤10
Iron	Fe	≤20
Lead	Pb	≤10
Manganese	Mn	≤10
Mercury	Hg	≤1
Nickel	Ni	≤10
Nitrate	NO <sub>3</sub>	≤3
Nitrite	NO <sub>2</sub>	≤1
Phosphorus	P	≤10
Silicon	Si	≤50
Silver	Ag	≤10
Sulfates	SO <sub>4</sub>	≤15
Sulfur	S	≤10
Tin	Sn	≤20
Titanium	Ti	≤10
Vanadium	V	≤10
Rare Earths (Sum)		≤20
Remaining Impurities (Each)		≤10
Insolubles (HCl)		≤100