

CDS CONSULTANTS
Corrosion Control Equipment & Abrasives

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TECHNICAL DATA SHEET			
1. PRODUCT NAME		CDS Reference	
Alumac Premium White		PWA	
2. MAIN INTENDED USE			
Our highest quality white fused alumina, offering a typical 99.7% Al ₂ O ₃ content and very low ferrous compound content. Use for blasting applications requiring super-critical content on ferrous contamination levels. e.g. aerospace, nuclear, jet turbine manufacture etc. Conforms to ABR9-0160, BAEP2002, AVP2-017, R10-6031 and all other major aerospace engineering specifications.			
3. CHEMICAL ANALYSIS			
Typical chemical analysis.			
<u>Compound/Element</u>	<u>Chemical Formula</u>	<u>Typical Content</u>	<u>Guaranteed Limits</u>
Aluminium Oxide	Al ₂ O ₃	99.73%	99.50% min
Titanium Oxide	TiO ₂	0.008%	0.01% max
Silicon Dioxide	SiO ₂	0.06%	0.10% max
Iron Oxide	Fe ₂ O ₃	0.08%	0.10% max
Calcium Oxide	CaO	0.031%	0.05% max
Magnesium Oxide	MgO	0.03%	0.05% max
Chromium Oxide	Cr ₂ O ₃	0.007%	0.01% max
Sodium+Potassium Oxide	Na ₂ O+K ₂ O	0.005%	0.01% max
Elemental Lead	Pb	1ppm	20.0ppm max
Acid Extractable Iron	Fe	0.025%	00.10% max
Determined by FAAS, XRF			
4. PHYSICAL PROPERTIES	a. Bulk Density Untamped b. Shape c. Colour d. Specific Gravity e. Hardness	1.80 g/cm ³ subject to grit size Cubical White 3.95 g/cm ³ 2200 Knoop	
5. SIZE RANGE AVAILABLE			
Individual and blended sizes from 8-220			
6 PACKAGING			
Packed in 25 kg paper bags.			

