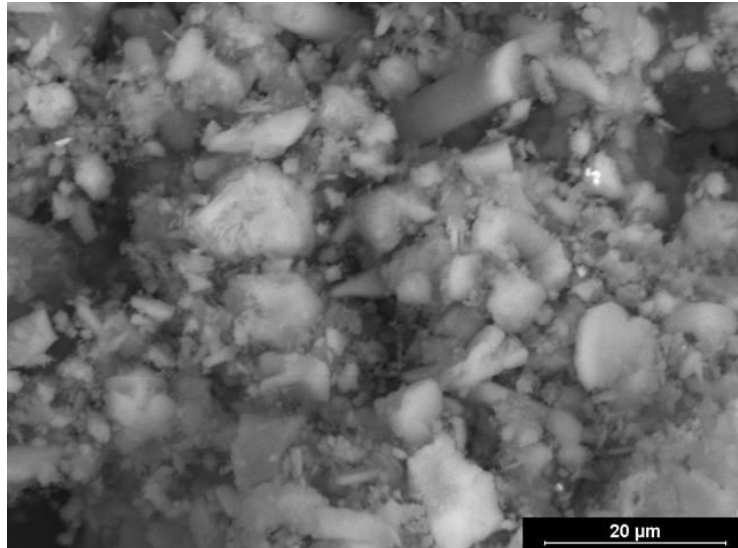


## CAI – ALON



### Chemical Composition (typical)

		<u>original</u>	<u>if calcined &gt;1100°C</u>
Al <sub>2</sub> O <sub>3</sub>	%	53	83
AlN	%	13	-
Al metallic	%	12	-
SiO <sub>2</sub>	%	7	7
MgO	%	5	5
CaF <sub>2</sub>	%	2.9	-
CaO	%	-	2
NaCl	%	1.6	
Na <sub>2</sub> O	%	-	0.7
K <sub>2</sub> O	%	0.7	0.7
Fe <sub>2</sub> O <sub>3</sub>	%	0.4	0.4
TiO <sub>2</sub>	%	0.4	0.4
ZrO <sub>2</sub>	%	0.3	0.3
SO <sub>3</sub>	%	0.2	-
MnO	%	0.1	0.1
Humidity (105°C)	%	0.3	-
Increase in weight (1100°C)	%	-	11

### Mineralogical composition (main components)

Corundum, alpha-Al<sub>2</sub>O<sub>3</sub>; Spinel, MgO.Al<sub>2</sub>O<sub>3</sub>; Al, metallic; Aluminium Nitride, ALN; Quartz, SiO<sub>2</sub>

### Particle Size (Sieve Analysis)

- 0.300 mm: 95 %; - 0.150 mm: 75 %; - 0.075 mm: 35 %

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