



Fe-Al powder – Technical Specification

Sl. No	Item Description	CMTI Requirement
01	Ferro - Aluminum powder	<ul style="list-style-type: none"><li>Fe-Al powder shall have following requirements<ul style="list-style-type: none"><li>Aluminium mass fraction – 45-50%</li><li>Iron mass fraction – 50 - 55%</li><li>Particle size – 0.2mm – 1.0mm</li></ul></li><li>The powder mix shall be free from rust, oil and other contaminations.</li><li>The ferro-aluminum powder shall be made from steel of 10880 of GOST 11036 or equivalent grade and Al of grade AW-1070A of ISO 209 or equivalent grade.</li><li>The powder shall be tested at NABL certified lab &amp; shall be confirmed to table - 01</li><li>The powder shall be supplied from single batch/Heat source</li></ul>

Table – 01: Chemical Composition of Fe-Al powder - Specification

Elements	%Al	%Si	%C	%S	%P	%Mn	%Fe
Spec.	45-50	1.00	0.035	0.030	0.030	0.50	Balance

The above specifications are subjected to witness

Rev. No.: 00	Amend No.: 00		
Rev. Dt.:	Amend Dt.:	Prepared by	Approved by

inspection & pre-dispatch clearance @ vendor site.

Accordingly vendor to arrange for the same.

20/06/2022