



# Luoyang Zhongsen Refractory Co., Limited

Yaowan Village, South Dukang Road, Yichuan County, Luoyang City, Henan Province, P.R. CHINA  
TEL: 0086-379-69351288 WEB: www.zhongsen-refractory.com

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## **Certificate of Analysis-Brown Fused Alumina Slag**

### General Information

Product : Brown Fused Alumina Slag(Ferro Silicon or FeSi) for steel making industry, Minerals Processing Industry, Metal Making Industry, Blast Cleaning, Rust Removal, Roughening, Paint-Stripping

Country of Origin : China

Manufacturer of Material : Luoyang Zhongsen Refractory Co., Limited

Picture of Product:



### Physical Specifications & Package

Color : Silver/Brown/Grey, depends on Chemical Content

Ferro : 76%-80%

Silicon : 13%-17%

Sizes : 0-0.5mm, 0.5-1mm, 0-25mm, 0-100mm, subject to request

Package : 1 Ton Big Bag, 25kg Bag and 40 Bags on a Pallet

Ferro Silicon(FeSi) is a co-product of Brown Fused Alumina during fusion, so also called Brown Fused Alumina Slag. During fusion of aluminum oxide based bauxite, heavy elements in the electric arc furnace goes down to bottom of the furnace. After cooling down, they become silver/grey ores which contain

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Ferro and Silicon. In our industry, we call them Brown Fused Alumina Slag.

After crushing and sizing, it's made into different grits suitable for steel making industry as media separation or sink float process to remove oxygen from high quality steel or cast iron. Main users of FeSi are producers of alloyed, carbon or stainless steel.

According to content of Ferro, we make mainly 2 quality: 72% Ferro FeSi and 80% Ferro FeSi.

## **Chemical Content of Brown Fused Alumina Slag(Ferro Silicon/FeSi)**

Item	Unit	Test Result
Si	%	17.37
Fe	%	64.03
Mn	%	0.14
P	%	0.0576
S	%	0.0069

Item	Unit	Test Result
Si	%	15.30
Fe	%	83.15
Mn	%	0.20
P	%	0.0756
S	%	0.0028

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