



FUNDAÇÃO VANZOLINI

QUALITY MANAGEMENT SYSTEM CERTIFICATE

FUNDAÇÃO CARLOS ALBERTO VANZOLINI

hereby certifies that the organization

ELFUSA GERAL DE ELETROFUSÃO LTDA.

Rua Júlio Michelazzo, 501 – São João da Boa Vista - SP - Brasil

for the following scope:

Production, commercialization and industrialization of Aluminum Oxides (brown, white, pink, gray and violet), Calcium Aluminate Cement, Mullites and Electrofused Spinels for abrasive, ceramic and refractory applications, and Ferrosilicon for mineral and metallurgical applications. The production processes include electrofusion, sieving and heat and physic treatments, aiming to serve the domestic and international markets.

has implemented and maintains a

Quality Management System

An audit performed by Fundação Vanzolini has verified that this Management System fulfills the requirements of the following standard:

NBR ISO 9001: 2015

Quality Management Systems - Requirements

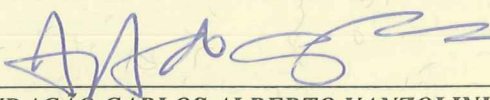
This certificate is valid until: June 09th 2019

Certification Registration # : SQ-19825

São Paulo, June 22nd 2018



SQ-M05622


FUNDAÇÃO CARLOS ALBERTO VANZOLINI
Rua Camburiú, 255
Alto da Lapa - São Paulo - SP - Brasil



For clarification regarding the scope and applicability of the requirements, please consult the certified organization.



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

FCAV as an IQNet partner hereby states that the organization:

ELFUSA GERAL DE ELETROFUSÃO LTDA.
Rua Júlio Michelazzo, 501 – São João da Boa Vista - SP - Brasil

for the following scope:

Production, commercialization and industrialization of Aluminum Oxides (brown, white, pink, gray and violet), Calcium Aluminate Cement, Mullites and Electrofused Spinel for abrasive, ceramic and refractory applications, and Ferrosilicon for mineral and metallurgical applications. The production processes include electrofusion, sieving and heat and physic treatments, aiming to serve the domestic and international markets.

has implemented and maintains a

Quality Management System

which fulfills the requirements of the following standard:

ISO 9001: 2015

Issued on: 2018-06-22

for the validity date, please refer to the original certificate issued by FCAV*

Registration Number: BR-SQ-19825



Michael Drechsel
President of IQNet

José Joaquim do Amaral Ferreira
Certification Director - FCAV



Fundação Vanzolini

SQ-M05622

IQNet Partners:**

AENOR Spain AFNOR Certification France AIB-Vinçotte International Belgium APCER Portugal CCC Cyprus
CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany
FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico Inspecta Certification Finland INTECO Costa Rica
IRAM Argentina JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland PCBC Poland
Quality Austria Austria RR Russia SIGE México SII Israel SIQ Slovenia SIRIM QAS International Malaysia
SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

* This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document

** The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com