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1 Scope

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ISO 20565-3 was prepared by Technical Committee ISO/TC 34, Refractory products, and its subcommittee SC 2, Refractory products and materials.

1.1 This document is a normative part of the ISO 20565 series, which consists of the following parts, under the general title Chemical analysis of chrome-bearing refractory products:

ISO 20565-1: Refractory products and materials — Part 1: General principles and terminology

ISO 20565-2: Refractory products and materials — Part 2: Wet chemical analysis

ISO 20565-3: Refractory products and materials — Part 3: Flame atomic absorption spectrometry (FAAS) and inductively coupled plasma atomic emission spectrometry (ICP-AES)

ISO 20565-4: Refractory products and materials — Part 4: X-ray fluorescence spectrometry (XRF)

Part 3: Flame atomic absorption spectrometry (FAAS) and inductively coupled plasma atomic emission spectrometry (ICP-AES)

Compound	Range
Al ₂ O ₃	0.5 to 1
Fe ₂ O ₃	15 to 50
SiO ₂	1 to 100
MnO	1 to 100
CaO	5 to 150
MgO	50 to 500
HfO ₂	0.01 to 1
K ₂ O	1 to 100
Cr ₂ O ₃	2 to 50
ZnO	0.01 to 100
P ₂ O ₅	0.01 to 5
LOI	0 to 5

(LOI) loss on ignition at 1000 °C for 1 h, determined by gravimetry.