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Study impurities in alpha-Al₂O₃ powders and crystals using EPR spectroscopy

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Highlights

- The EPR investigations were carried out to identify impurities in Al₂O₃ samples
- The results of the EPR measurements show a small amount of Fe³⁺ and Cr³⁺ ions
- The impurities occur in the nominally pure feed materials and in the grown crystals

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