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Lanthanum chloride

氯化镧

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed and coordinated by the National Rare Earth Standardization Technical Committee (SAC/TC 229).

This document was drafted by: Sichuan Leshan Ruifeng Metallurgical Co., Ltd., China Northern Rare Earth (Group) High-Tech Co., Ltd., Yiyang Hongyuan Rare Earth Co., Ltd., Tianjin Baotou Steel Rare Earth Research Institute Co., Ltd., China Southern Rare Earth Group Co., Ltd., Baotou Hua Mei Rare Earth Hi-Tech Co., Ltd., Qiandong Rare Earth Group Co., Ltd., Ganzhou Zhanhai New Materials Technology Co., Ltd., Baotou Jingrui New Materials Co., Ltd., Baotou Rare Earth Research Institute, Ruike Rare Earth Metallurgy and Functional Materials National Engineering Research Center Co., Ltd., Guorui Kechuang Rare Earth Functional Materials (Ganzhou) Co., Ltd., China Rare Earth (Liangshan) Co., Ltd., Jiangxi Golden Century New Materials Co., Ltd., and Youyan Rare Earth New Materials Materials Co., Ltd., Inner Mongolia Baotou Steel Rare Earth International Trade Co., Ltd.

The main drafters of this document are: Feng Xinrui, Xu Siyu, Li Tingting, Sun Xiang, Liu Wei, Zhang Ruisen, Wu Yuchun, Xu Guohua, Yao Nanhong, Gao Liang, Zhang Ruixiang, Cui Jianguo, Zhang Shengqiang, Liu Weizhen, Luo Zulong, Liu Jiangang, Xu Huibing, and Gao Xiaohui. Lanthanum chloride

1 Scope

This document specifies the classification, technical requirements, test methods, inspection rules, as well as marking, packaging, transportation, storage and accompanying materials of lanthanum chloride. Document requirements.

This document applies to lanthanum chloride obtained by chemical method, which is used to prepare petroleum cracking catalysts, automobile exhaust catalysts, new environmentally friendly materials and Other lanthanum compounds, etc.

2 Normative references

GB/T 6682

GB/T 8170

GB/T 14635

GB/T 16484

GB/T 18115.1

GB 39176

JJG 119-2018

3 Terms and Definitions

There are no terms or definitions that require definition in this document.

4.1 Product classification and brand

The product is available in two forms. solid and liquid. Solid products are divided into $\text{LaCl}_3 \cdot 4\text{H}_2\text{O}$, $\text{LaCl}_3 \cdot 3\text{H}_2\text{O}$, $\text{LaCl}_3 \cdot 2\text{H}_2\text{O}$, There are six brands of $\text{LaCl}_3 \cdot 3\text{H}_2\text{O}$, $\text{LaCl}_3 \cdot 2\text{H}_2\text{O}$, and $\text{LaCl}_3 \cdot 2\text{H}_2\text{O}$; liquid products are divided into $\text{LaCl}_3 \cdot 4\text{H}_2\text{O}$ (L), There are three brands. $\text{LaCl}_3 \cdot 3\text{H}_2\text{O}$ (L), $\text{LaCl}_3 \cdot 2\text{H}_2\text{O}$ (L).

4.2 Product brand naming rules

Lanthanum chloride grades are divided into three levels. The first level represents the product lanthanum chloride, which is represented by the chemical formula " LaCl_3 "; the second level The product specifications are represented by 4N, 3N, and 2N5, respectively, indicating the relative purity of lanthanum chloride, and A and B are used to distinguish solid chlorides of the same relative purity.

The third level distinguishes the solid and liquid forms of the product. (L) indicates liquid products, and no mark indicates solid products. Body products.

The specific representation method is as follows.

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