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Cold rolled steel strip for battery shell

电池壳用冷轧钢带

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Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard was proposed by China Iron and Steel Association.

This Standard shall be under the jurisdiction of National Technical Committee on Steel of Standardization Administration of China (SAC/TC 183).

The drafting organizations of this Standard: Baoshan Iron and Steel Co., Ltd., Metallurgical Industry Information Standard Institute, Angang Steel Co., Ltd., Magang Group Holdings Co., Ltd., Wuhan Iron and Steel Company Limited.

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Cold rolled steel strip for battery shell

1 Scope

This Standard specifies the classification and code, order content, size, shape, weight, technical requirements, test methods, inspection rules, packaging, marks and quality certificates of cold rolled steel strip for battery shell (hereinafter referred to as the steel strip).

This Standard is applicable to the cold rolled steel strip of which the thickness is 0.25mm ~ 0.50mm, mainly used for steel shells for flushing alkaline and rechargeable batteries.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 222, *Permissible Tolerances for Chemical Composition of Steel Products*

GB/T 223.9, *Iron steel and alloy - Determination of aluminium content - Chrom azurol S photometric method*

GB/T 223.59, *Iron, Steel and Alloy - Determination of Phosphorus Content - Bismuth Phosphomolybdate Blue Spectrophotometric Method and Antimony Phosphomolybdate Blue Spectrophotometric Method*

GB/T 223.60, *Methods for chemical analysis of iron, steel and alloy - The perchloric acid dehydration gravimetric method for the determination of silicon content*

GB/T 223.62, *Methods for chemical analysis of iron, steel and alloy - The butyl acetate extraction photometric method for the determination of phosphorus content*

GB/T 223.63, *Methods for chemical analysis of iron, steel and alloy - The sodium (potassium) periodate photometric method for the determination of manganese content*

GB/T 223.64, *Iron, Steel and Alloy - Determination of Manganese Content - Flame Atomic Absorption Spectrometric Method*

GB/T 228.1-2010, *Metallic materials - Tensile testing - Part 1 : Method of test at room temperature*

GB/T 230.1, *Metallic materials - Rockwell hardness test - Part 1: Test method(scales A, B, C, D, E, F, G, H, K, N, T)*

GB/T 247, *General rule of package, mark and certification for steel plates (sheets) and strips*

GB/T 708, *Dimension, shape, weight and tolerance for code - rolled steel plates and sheets*

GB/T 2523, *Measuring method of surface roughness and peak count for cold-rolled metal sheet (strip)*

GB/T 2975, *Steel and Steel Products - Location and Preparation of Test Pieces for Mechanical Testing*

GB/T 4336, *Carbon and low-alloy steel - Determination of multi-element contents - Spark discharge atomic emission spectrometric method (routine method)*

GB/T 8170, *Rules of rounding off for numerical values & expression and judgement of limiting values*

GB/T 17505, *Steel and steel products General technical delivery requirements*

GB/T 20066, *Steel and Iron-Sampling and Preparation of Samples for the Determination of Chemical Composition*

GB/T 20123, *Steel and iron - Determination of total carbon and sulfur content Infrared absorption method after combustion in an induction furnace (routine method)*

GB/T 20125, *Low-alloy steel - Determination of multi-element contents - Inductively coupled plasma atomic emission spectrometric method*

GB/T 20126, *Unalloyed steel - Determination of low carbon content - Part 2: Infrared absorption method after combustion in an induction furnace (with preheating)*

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