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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 8036-2009

Replacing GB/T 8036-1987

Benzol products of coal carbonization -- Determination of color

焦化苯类产品颜色的测定方法

(English Translation)

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Foreword

This revised standard adopts ISO 6271-1:2004 "transparent liquid platinum cobalt color number color assessment - Part 1 Visual Law" (in English).

This standard is based on ISO 6271-1:2004 redrafted. It lists the control of the standard terms and provisions of international standards in Appendix A a Lanbiao. In Appendix B gives a list of the technical differences and the reasons for the reference.

The standard in the use of international standards has been modified. The technical differences between a single vertical line identifies the page in terms of which they are involved Margin. For ease of use, this standard made the following editorial changes.

- "This International Standard" by "this standard";
- Instead of using the decimal point as a decimal point ", ". ";
- Delete international standards foreword.

This standard replaces GB/T 8036-1987 "Determination of coking benzene products of color." the main difference compared with the original standard GB/T 8036-1987 as follows.

- Increase the "scope", "normative references" content "test report" and "Terms and Definitions";
- Units and format standardization.

This standard Annex A, Annex B is informative appendix.

The standard proposed by China Iron and Steel Association.

This standard is under the jurisdiction of the National Steel Standardization Technical Committee.

1 Scope

This standard specifies the color of coking benzene products Determination of terms and definitions, principles, instruments, reagents, preparation of standard color liquid ratio, sampling, test Test step, the results of the test report and presentation.

This standard applies to coking benzene, toluene coking and coking xylene measured color.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 1999 coking oil products sampling methods GB/T 6682 analytical laboratory use specifications and test methods (GB/T 6682-2008, ISO 3696. 1987, MOD)

3 Terms and Definitions

The following terms and definitions apply to this standard.

A mixed solution of a specified concentration of chloroplatinic acid and cobalt chloride prepared Kuni water, by color.

Principle 4

Product sample color and standard colorimetric solution visually compare, identify the closest standard color sample color matching, and platinum - cobalt color Indicates a result.

5 Reagents

During the assay, both using a validated analytical reagent and distilled water or by GB/T 6682 designated at least grade 3 water.

5.1

chloroplatinic potassium (K_2PtCl_6); AR.

5.2

Kuni cobalt chloride ($CoCl_2 \cdot 6H_2O$); AR.

5.3

hydrochloric acid. 38% (mass fraction), $\rho = 1.19g/mL$.

6 Instruments

General laboratory equipment, glassware and.

6.1

colorimetric tube mill mouth. volume of about 100mL, high 310mm ~ 320mm flat tube, with ground glass stopper optically transparent. Each colorimetric the thickness of the glass tube and color should be consistent, from the bottom of the tube 275mm ~ 295mm degree line at the proper moment. Selected high tick of the tube so that it of similar height and within 3mm.

6.2

color comparator. rectangular box, built-in fluorescent light and white bottom, the bottom of the mirror can be safe there, allowing white light transmitted or reflected by the guiding light by colorimetric tube along the longitudinal direction can be adopted colorimetric tube (6.1) optical visual comparison, and shielded from the periphery into the colorimetric tube Light.

6.3

Spectrophotometer. measurable 430nm, 455nm, 480nm and 510nm wavelength transmittance of light transmission accuracy equal to or higher than 0.005.

6.4

cuvette. optical path 10mm, for the spectrophotometer (6.3).