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# INTERNATIONAL STANDARD



# 2068

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## Barium chromate pigments for paints

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## FOREWORD

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Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 2068 was drawn up by Technical Committee ISO/TC 35, *Paints and varnishes*.

It was approved in March 1971 by the Member Bodies of the following countries:

|                     |             |                       |
|---------------------|-------------|-----------------------|
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No Member Body expressed disapproval of the document.

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# Barium chromate pigments for paints

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard lays down the requirements and test methods for barium chromate pigments of approximate composition  $\text{BaCrO}_4$ , suitable for use in paints and/or corrosion-inhibiting coatings.

## 2 REFERENCES

ISO/R 787, *General methods of test for pigments*.  
ISO/R 842, *Sampling raw materials for paints and varnishes*.

## 3 REQUIRED CHARACTERISTICS AND THEIR TOLERANCES

Barium chromate pigments for paints shall have the characteristics shown in the Table below.

## 4 SAMPLING

A representative sample of the pigment shall be taken in accordance with ISO/R 842.

TABLE — Required characteristics and their tolerances

| Characteristic <sup>1)</sup>                                                    |                          | Requirement       | Test method           |
|---------------------------------------------------------------------------------|--------------------------|-------------------|-----------------------|
| Barium content                                                                  | % BaO                    | min. 56           | clause 5.1            |
| Total chromate content                                                          | % $\text{CrO}_3$         | min. 36.5         | clause 5.2            |
| Water-soluble chloride content                                                  | % Cl                     | max. 0.1          | clause 5.3.2          |
| Water-soluble nitrate content                                                   | % $\text{NO}_3$          | max. 0.1          | clause 5.3.3 or 5.3.4 |
| Chromate content in 100 ml of extract from 10 g of pigment                      | g $\text{CrO}_3$ /100 ml | max. 0.01         | clause 5.3.5          |
| Volatile matter at 105 °C                                                       | %                        | max. 1.0          | ISO/R 787, Part II    |
| Oil absorption value, compared with value agreed between the interested parties |                          | within $\pm 15$ % | ISO/R 787, Part V     |
| Residue on sieve (63 $\mu\text{m}$ )                                            | oil method %             | max. 0.5          | ISO/R 787, Part VI    |
|                                                                                 | water method %           | max. 0.3          | ISO/R 787, Part VII   |

1) If a value for density is agreed between the interested parties, the method for determination shall be that given in ISO/R 787, Part X.