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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 422

SPECIFICATION FOR PHOTOGRAPHIC GRADE
P-METHYLAMINOPHENOL SULPHATE

1st EDITION

March 1965

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Printed in Switzerland

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BRIEF HISTORY

The ISO Recommendation R 422, *Specification for Photographic Grade P-Methylamino-phenol Sulphate*, was drawn up by Technical Committee ISO/TC 42, *Photography*, the Secretariat of which is held by the American Standards Association, Inc. (ASA).

Work on this question by the Technical Committee began in 1956 and led, in 1959, to the adoption of a Draft ISO Recommendation.

In August 1961, this Draft ISO Recommendation (No. 425) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies:

Belgium	Germany	Romania
Brazil	Italy	Sweden
Canada	Japan	Switzerland
Chile	Netherlands	United Kingdom
France	New Zealand	U.S.A.
		U.S.S.R.

No Member Body opposed the approval of the Draft.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in March 1965, to accept it as an ISO RECOMMENDATION.

SPECIFICATION FOR PHOTOGRAPHIC GRADE P-METHYLAMINOPHENOL SULPHATE

1. SCOPE

This ISO Recommendation is one of a series to establish criteria of purity of chemicals suitable for processing photographic materials. A "photographic grade" chemical is one which meets purity requirements as described.

This specification states the purity requirements and the test methods for photographic grade p-methylaminophenol sulphate ($\text{HOC}_6\text{H}_4\text{NHCH}_3 \cdot \frac{1}{2} \text{H}_2\text{SO}_4$).

2. PHYSICAL APPEARANCE

p-methylaminophenol sulphate is in the form of white crystalline powder.

3. SUMMARY OF REQUIREMENTS

Assay: 99.0 per cent minimum, 102.0 per cent maximum by cerate titration; 97.5 per cent minimum by acid titration.

Volatile matter at 105 °C: 0.3 per cent maximum.

Ash: 0.10 per cent maximum.

Heavy metals (as Pb): 0.002 per cent maximum.

Iron (Fe): 0.005 per cent maximum.

p-aminophenol: 2.5 per cent maximum.

p-amino-NN-dimethylaniline (sulphate): To pass test.

Matter soluble in diethyl ether: 0.2 per cent maximum.

Solubility: To pass test.

Identity: To pass melting-point test. The infra-red identity test may be used as a supplemental method.