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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1124

SAMPLING BULK SHIPMENTS OF CARBON BLACK

FOR THE RUBBER INDUSTRY

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 1124, *Sampling bulk shipments of carbon black for the rubber industry*, was drawn up by Technical Committee ISO/TC 45, *Rubber*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question led to the adoption of a Draft ISO Recommendation.

In September 1967, this Draft ISO Recommendation (No. 1303) 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 :

Australia	India	Spain
Austria	Iran	Sweden
Brazil	Israel	Switzerland
Canada	Italy	Thailand
Czechoslovakia	Japan	U.A.R.
France	Netherlands	United Kingdom
Germany	New Zealand	U.S.A.
Greece	Poland	U.S.S.R.
Hungary	Portugal	

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 October 1969, to accept it as an ISO RECOMMENDATION.

SAMPLING BULK SHIPMENTS OF CARBON BLACK

FOR THE RUBBER INDUSTRY

1. SCOPE

This ISO Recommendation describes a procedure for the sampling of bulk shipments of carbon black for use in the rubber industry, delivered in bulk in hopper rail cars and in bulk road trailers. This method is for use in obtaining representative samples of the carbon black in each compartment or in the entire vehicle. These samples may be used to determine the average quality or to ascertain the variability in quality.

2. SAMPLING PROCEDURE

Each compartment of the bulk container is fitted with two laterally opposed sampling ports.

After first withdrawing and discarding from each port at least 5 litres of carbon black, take from each of these ports a sample of about 5 litres.

The samples thus obtained may be stored individually or composited, as agreed between the purchaser and the supplier.

3. TREATMENT AND STORAGE OF SAMPLES

- (a) Store the samples in airtight containers until the tests are completed.
- (b) Handle the samples collected for the determination of pellet quality with care to avoid breakdown of the pellets.
- (c) Pass each sample through a single-stage riffle-type sample splitter at least twice in order to prevent stratification. This is particularly important for tests of pellet quality.

4. SAMPLING REPORT

The report should include the following :

- (a) identification of the sample;
- (b) number and location of the sample ports sampled.