

American Water Works Association

AWWA STANDARD
for
BAUXITE

This "Standard for Bauxite" is based upon the best known experience and is intended for use under normal conditions. It is not designed for use under all conditions and the advisability of use of the material herein specified in any water treatment plant must be subjected to review by the chemist/engineer responsible for operations in the locality concerned.

Approved as Tentative April 28, 1950; made Standard May 15, 1953

AMERICAN WATER WORKS ASSOCIATION
Incorporated
2 Park Avenue, New York 16, N.Y.



Documents

Document Sharing Hub

Table of Contents

Material Specifications—Part A Scope 1A Definition 2A Sampling 3A Methods of Testing 4A Impurities 5A Rejection 6A Size 7A Chemical Composition 8A Sampling, Inspection, Packing and Marking—Part B Scope 1B Sampling 2B	Packing and Shipping 3B Marking 4B Testing Methods—Part C Scope 1C Sampling 2C Moisture..... 3C Loss on Ignition 4C Silica 5C Treatment of Silica Residue 6C Aluminum Oxide 7C Titanium Oxide 8C Total Iron Oxide 9C
--	--

This "Standard for Bauxite" was prepared under the direction of C. K. Calvert (deceased) and J. E. Kerslake of the Water Purification Division, A.W.W.A. The standard was approved by the officers of the Water Purification Division and submitted for review to producers and consumers of the materials involved, whose comments were then considered by Edward S. Hopkins, acting as referee. The text as finally edited was approved by the Committee on Water Works Practice and received the approval of the Association's Board of Directors on April 28, 1950.

Latest Revisions to B401

This document was made Standard, without revision, on May 15, 1953. As a result, the designation has been changed from B401-50T to B401-53.

© Copyright 1950 by the American Water Works Assn., Inc.
as part of the July 1950 Journal AWWA

*AWWA Standard for***Bauxite****Part A—Material Specifications****Sec. 1A—Scope**

These specifications cover bauxite for use in the treatment of municipal and industrial water supplies. The specifications are intended for use in connection with Part B (Sampling, Inspection, Packing and Marking) and Part C (Testing Methods) of this document.

Sec. 2A—Definition

Bauxite is a mineral containing a preponderance of hydrated aluminum oxide. Its content varies considerably with respect to the aluminum oxide, iron and silica.

Sec. 3A—Sampling

Sampling shall be conducted in accordance with Part B (Sampling, Inspection, Packing and Marking) of this document.

Sec. 4A—Methods of Testing

The analytical procedures shall be carried on in accordance with Part C (Testing Methods) of this document.

Sec. 5A—Impurities

The bauxite supplied under these specifications shall contain no soluble mineral or organic substances in quantities capable of producing deleterious or injurious effects upon the health of those consuming the water which has been treated properly with compounds made from it.

Sec. 6A—Rejection

6A.1. Notice of dissatisfaction with a shipment, based on the specifications, must be in the hands of the consignor within ten days after receipt of the shipment at the point of destination. If the consignor desires a retest, he shall notify the consignee within five days of notice of the complaint. Upon receipt of the request for a retest, the consignee shall forward to the consignor one of the sealed samples. In the event that the results obtained by the consignor on retesting do not agree with the results obtained by the consignee, the other sealed sample shall be forwarded, unopened, for analysis to a laboratory agreed upon by both parties. The results of the referee analysis shall be accepted as final and the cost of the referee analysis shall be paid for by the party whose results show the greatest discrepancy from the referee results.

6A.2. On the basis of the retest or the referee test, the consignor may remove the material from the premises of the consignee or a price adjustment may be agreed upon by the consignor and consignee.

Sec. 7A—Size

The material shall be crushed to lumps not greater than 2 in. in diameter.

Sec. 8A—Chemical Composition

8A.1. The moisture content shall not exceed 3 per cent.

8A.2. Loss on ignition shall not exceed 25 per cent.