

<<DL/T 5151 - 2001 水工 >>

图书基本信息

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前言

As one of the basic codes in the standard system of water resources and hydropower construction, the Test Code for Aggregates of Hydraulic Concrete is voluntary standard. The related contents in this Code are originated from SD 105—1982. Test Code for Hydraulic Concrete. According to the requirement of management of the electric power industry standards (Document No.40[1996]) issued by the former Ministry of Power Industry in 1996, the Test Code for Hydraulic Concrete SD 105-1982 was revised for the second time, to meet the need of the development of hydropower and water conservancy construction in China, and to coordinate with the development of standards of same categories at home and abroad. The original code was amended, supplemented and divided into Test Code for Hydraulic Concrete. Test Code for Aggregates of Hydraulic Concrete and Analytical Test Code for Water Quality of Hydraulic Concrete. The original Test Code for Hydraulic Concrete SD 105-1982 is replaced by the three newly published codes, with the original Chapter 3, "Aggregates" replaced by Test Code for Aggregates of Hydraulic Concrete DL/T 5151-2001. Test Code for Aggregates of Hydraulic Concrete DL/T 5151—2001, including 34 test methods, gives prominence to the aggregate quality, especially the aggregate soundness required by hydraulic mass concrete. A lot of supplement was done for the alkali aggregate reactivity test methods.

内容概要

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章节摘录

5.1.1 Purpose and scope Testing of alkali active aggregate categories and amount by identifying the categories and the mineral components of the sand and stone aggregate with naked eyes or microscope . 5.1.2 Apparatus 1 Sieve : A set of sand sieves and a set of stone sieves, including circular hole sieves with aperture sizes of 150(120)mm, 80mm, 40mm, 20mm, 5mm and 2 . 5mm, square hole sieves with aperture sizes of 1.25mm, 0.63mm, 0.315mm, 0.16mm, as well as the cover and the underpan ; 2 Pound scale : capacity 100kg, sensitivity 100g ; 3 Balance : capacity 1kg . sensitivity 0.5g ; 4 Slicer, abrader and pointing machine ; 5 Stereo microscope and petrographic microscope ; 6 Corundum (No.150, No.400, No.600 and No.800), gum (such as fir gum), glass slide, microscopic glass, geologist's hammer, chopping block, alcohol burner, etc.. 5.1.3 Procedure 1 Sampling : 1) Sample the stone materials by the quartering method, and sieve them after it is air-dried . Weigh out the required quantity of sample according to Table 5.1.3-1 .

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