

KES

Method for Measuring Chromate
in Zinc-Electroplated Steel Plates

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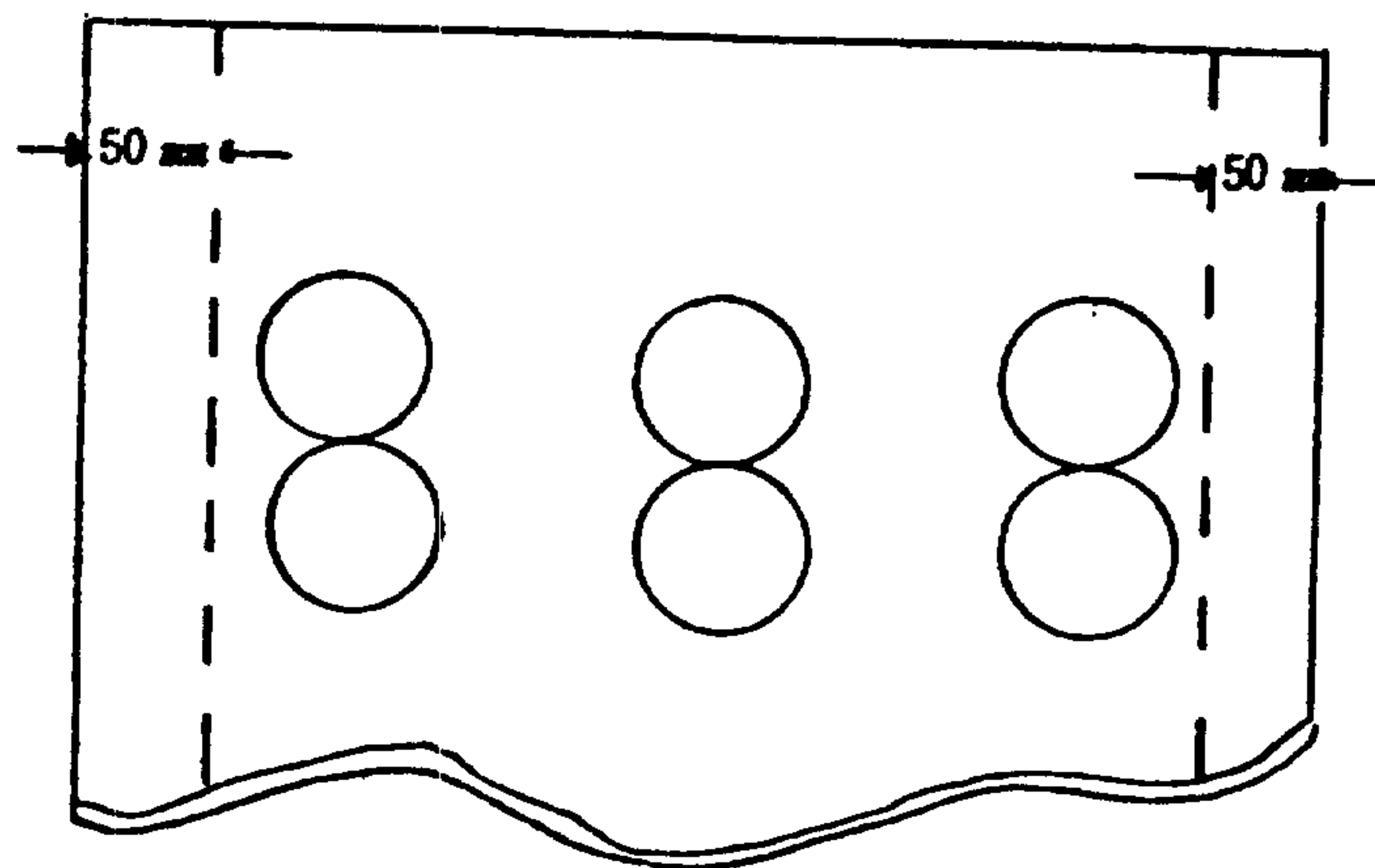


1. Scope of application

This standard shall specify operating method for testing the quantity of chromate used for the zinc-electroplated steel plate.

2. Mounting position of the sample.

Follow as shown on figure



Figure

3. The kind of test method

(1) Diphenylcarbazide ($C_{13}H_{14}N_4O$, 242.28) light-absorption luminous intensity method
(64.5 ϕ)

(2) Photoemission x-ray method

Remark : Explain here on Diphenylcarbazide light-absorption luminous intensity method

4. Test method (Diphenylcarbazide light-absorption luminous intensity method)

4.1 Method

(1) Put the sample in a bicker and add 50 ml of 20 % NaOH solution

(2) Heat for 15 ~ 30 minutes with a heater

(3) After cooling, add 17ml of sulfuric acid (1 : 1), 4 ml of mixed acid, 2 ml of 0.5 %