
4205 Examination Method of Decolourization for Plastics

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2 This method applies to plastic packing components for pharmaceutical use with
3 colouring agent.

4 **Preparation of test solution:** Take the test sample, and cut off three portions from
5 the flat part, each with an inner surface area of 50cm² (10g for irregular test samples).
6 Then cut into 2cm×0.3cm or smaller size, and place them in three glass conical flasks
7 with stopper respectively. Add 50ml each of 4% acetic acid, 65% ethanol, and *n*-hexane
8 into each of the three conical flasks and close well. Incubate the closed flasks at 60°C±
9 2°C, 25°C± 2°C, and 25°C± 2°C for 2 hours respectively and allow to cool to room
10 temperature. Separate the solution for the sample and use as the test solution.

11 **Preparation of blank solution:** Prepare the corresponding blank solution in the
12 same manner as for the test solution except the same batch of extracting medium is used
13 without test sample.

14 **Examination method:** Add 10ml each of test solution and corresponding blank
15 solution into each of two 25ml Nessler cylinders. Place the Nessler cylinders under a
16 white background to compare the colour.

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