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p-Dimethylaminoazobenzene

(*Methyl Yellow, Butter Yellow*), $C_6H_5N:NC_6H_4N(CH_3)_2$ 225.29 CAS RN®: 60-11-7.—Yellow leaflets or yellow, crystalline powder.

Solubility: Insoluble in water; sparingly soluble in chloroform, in ether, or in fatty oils. Dissolve 100 mg in 20 mL of alcohol: the solution is complete or practically so and clear.

MELTING RANGE (741): between 115° and 117°.

RESIDUE ON IGNITION (281): not more than 0.1%.

Sensitiveness: Add 0.05 mL of an alcohol solution (1 in 200) and 2 g of ammonium chloride to 25 mL of carbon dioxide-free water: the lemon-yellow color of the solution is changed to orange by the addition of 0.05 mL of 0.1 N hydrochloric acid and restored on the subsequent addition of 0.05 mL of 0.1 N sodium hydroxide.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
P-DIMETHYLAMINOAZOBENZENE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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