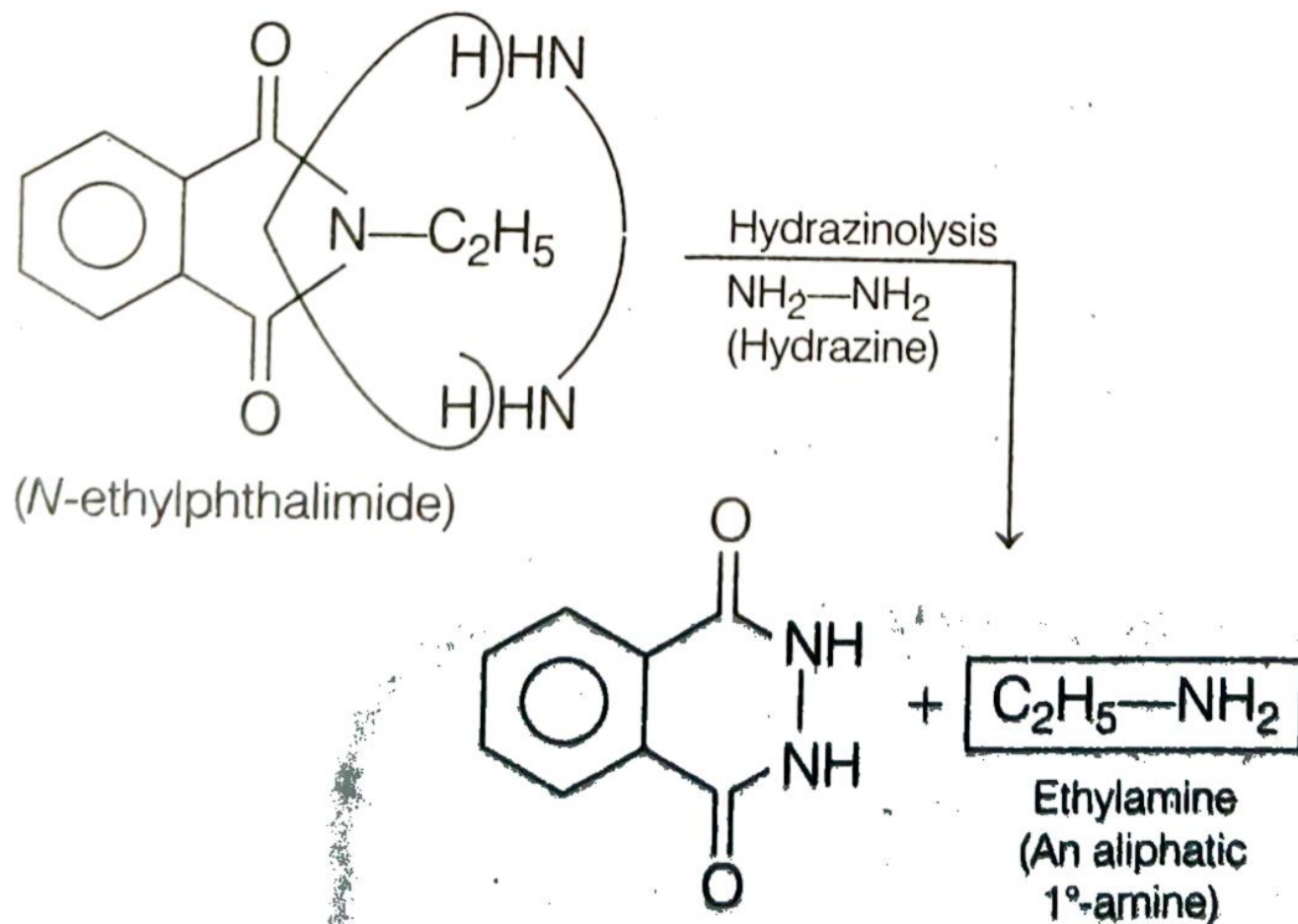


2. Ethylamine ($C_2H_5NH_2$) can be obtained from N -ethylphthalimide on treatment with (2019 Main, 10 April I)

(a) $NaBH_4$ (b) NH_2NH_2 (c) H_2O (d) CaH_2

2. The reaction for the production of ethylamine from *N*-ethylphthalimide can be takes place as follows:



This reaction is the **second step of Gabriel phthalimide synthesis** for the preparation of **aliphatic 1°-amines** and amino acid. In this step **concentrated alkali** can also be used in place of hydrazine.