

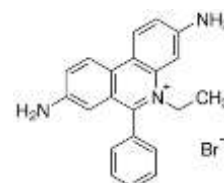


# Product Specification

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## ETHIDIUM BROMIDE

<b>PRODUCT CODE</b>	<b>083205</b>
<b>SYNONYMS</b>	<b>(Homidium bromide) (3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide)</b>
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	<b>(1239-45-8 )</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>C<sub>21</sub>H<sub>20</sub>BrN<sub>3</sub></b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>394.32</b>
<b>PROPERTIES</b>	<b>Soluble in 20 parts water and 750 parts chloroform at 20 °C.</b>
<b>PARAMETER</b>	<b>LIMIT</b>
Description	Dark red to reddish purple powder.
Solubility	Soluble in water.
Identification (UV-Vis)	Passes test.
Assay (AT, on anhydrous basis)	95.00 – 102.00%
Absorption. maximum max. (0.005% in methanol, on dried subs.)	524 - 527 nm
Specific Absorptivity A1% 1 cm,(max; 0.005% in methanol, on dried subs.)	155 - 170
<b>MAXIMUM LIMIT OF IMPURITY</b>	
Loss on drying (at 130°C for 4 hrs.)	8.0%



<b>Note(s) : Assay (if applicable) method mentioned.</b>	
<b>DANGER</b> <b>Hazard statements :</b> Toxic if inhaled. Toxic in contact with skin. Toxic if swallowed. May cause damage to organs through prolonged or repeated exposure.Harmful to aquatic life with long lasting effects <b>Precautionary statements</b> <b>Prevention :</b> Do not breathe dust/fume/gas/mist/vapour/spray. Wear protective gloves/clothing Avoid breathing dust/fume/gas/mist/vapour/spray. Use only outdoors or in a well ventilated area. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. <b>Response :</b> Get medical advice/attention if you feel unwell.Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Gently wash with plenty of soap and water.IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Keep container tightly closed. Call a POISON CENTER or doctor/physician if you feel unwell.IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Specific treatment: refer to Label or MSDS. Wash/Decontaminate removed clothing before reuse. Remove/Take off immediately all contaminated clothing <b>Disposal:</b> Dispose of contents and container in accordance with relevant legislation.	IMDG Code : 6.1/II UN No. : 2811 IATA : 6.1

<b>Hazard Pictogram(s) :</b>	
 GHS06	 GHS08

Replace Date 13-Apr-2026