

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	37713
<b>Product</b>	<b>Citalopram hydrobromide</b>
<b>Lot Number</b>	003325-004-22
	1-[3-(Dimethylamino)propyl]-1-(4-fluorophenyl)-1,3-
<b>CAS Number</b>	59729-32-7
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>21</sub> N <sub>2</sub> O•HBr
<b>Molecular Weight</b>	405.31

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<b>Appearance</b>	Almost white crystalline powder
<b>Solubility</b>	Passes test
<b>Melting Point</b>	187.6 °C
<b>Water Content (Karl Fisher)</b>	0.17%
<b>pH</b>	5.91
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -0.005 °
<b>Infrared Spectrum</b>	Conforms to structure
<b>Residual Solvents</b>	Tetrahydrofuran : Not detected Toluene : Not detected Acetone : Not detected Methanol : Not detected Isopropyl alcohol : < 5000 ppm
<b>Related Substances</b>	Citalopram ketone : Not detected Citalopram open ring : Not detected Individual unknown impurity : 0.002% Total impurities : 0.02% Citalopram related substances A, B, C, E : Not detected Citalopram related substances D : 0.02%
<b>Residue On Ignition</b>	0.05%
<b>Assay (anhydrous basis)</b>	100.1%
<b>Grade</b>	USP
<b>Storage</b>	Store at 2 - 8 °C
<b>Additional Information</b>	Test for Bromide : Passes

# *Certificate of Analysis*

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**