

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	36893
<b>Product</b>	<b>Ytterbium(III) trifluoromethanesulfonate</b>
<b>Lot Number</b>	003335-20211108
	Trifluoromethanesulfonic acid ytterbium(III) salt hydrate Ytterbium(III) triflate hydrate
<b>CAS Number</b>	54761-04-5
<b>Molecular Formula</b>	(CF <sub>3</sub> SO <sub>3</sub> ) <sub>3</sub> Yb•xH <sub>2</sub> O
<b>Molecular Weight</b>	620.24

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<b>Appearance</b>	White powder
<b>Anion</b>	Sulfate : 28 ppm Chloride : 18 ppm Free fluoride : 23 ppm
<b>Cation</b>	Aluminum (Al) : 13 ppm Calcium (Ca) : 16 ppm Copper (Cu) : 14 ppm Iron (Fe) : 10 ppm
<b>Water Content (Karl Fisher)</b>	0.34%
<b>pH</b>	7.16
<b>Assay by titration</b>	99.1%
<b>Storage</b>	Store at RT
<b>Remarks</b>	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