

# Certificate of Analysis


<b>Product name</b>	<b>1-Ethyl-3-methylimidazolium ethylsulfate</b>
<b>PI product number</b>	00129.3000
<b>Purity</b>	purum
<b>Molecular formula</b>	C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> SO <sub>4</sub>
<b>Molecular weight</b>	263.29 g*mol <sup>-1</sup>
<b>CAS Number</b>	342573-75-5
<b>LOT Number</b>	25PI296

<b>CHARACTERISTIC</b>	<b>SPEZIFICATION</b>	<b>LOT RESULT</b>
total assay, <i>HPLC</i>	≥ 98.0%w	> 98.0%w
assay chloride, <i>titration</i>	≤ 30 ppm <sub>w</sub>	< 10 ppm <sub>w</sub>
assay H <sub>2</sub> O, <i>Karl Fischer titration</i>	< 500 ppm <sub>w</sub>	470 ppm <sub>w</sub>
assay 1-Methylimidazol, <i>IC</i>	< 0.5%w	0.41%w
assay Diethylsulfat, <i>GC-MS</i>	≤ 20 ppm <sub>w</sub>	< 20 ppm <sub>w</sub>
aspect, <i>acc. to Ph. Eur. 5.0</i>	clear to almost clear	clear
color, <i>acc. to Ph. Eur. 5.0</i>	colorless to light yellow	light yellow

**QC Release Date** 10/11/2019



Quality Executive



Quality Assurance