

## Analytical Data Sheet

Lot number **1065546**  
not for drug use

**Catalog number** Q-2115.0005  
**Product number** 4041457.0005  
**Product** **Antazoline · 0.5 H<sub>2</sub>SO<sub>4</sub>**  
 2- (N- Phenyl- N- benzyl- aminomethyl) - imidazoline · 0.  
 5 H<sub>2</sub>SO<sub>4</sub>  
**Molecular formula** 2 C<sub>17</sub>H<sub>19</sub>N<sub>3</sub> · H<sub>2</sub>SO<sub>4</sub>  
**Relative molecular mass** 628.80

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (20 mg/ml in water)
<b>Identification (IR)</b>	complies comparison
<b>Odor</b>	odorless
<b>Melting point</b>	136 °C
<b>Absorbance</b>	0.007A (2 % in water)
<b>pH in solution</b>	5.2(2 % in water)
<b>Related impurities (TLC)</b>	< 0.5% C-5513-Ba ≤ 0.1% each other impurities
<b>TLC conditions</b>	diethylamine/methanol/ethyl acetate 5/10/85 plate: silicagel 60 F <sub>254</sub> detected by: berlin blue
<b>Assay (elemental analysis)</b>	96.5% (Nth 13.37 %, Nfd 12.90 %)
<b>Assay (titration)</b>	100.1% (based on water free substance)
<b>Water content (KF volumetric)</b>	3.1%
<b>Sulfated ash</b>	< 0.1% (m/m)
<b>Residual organic solvents (GC)</b>	1620ppm methanol 170ppm acetone
<b>Heavy metals (ICP-OES)</b>	≤ 10mg/kg