

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

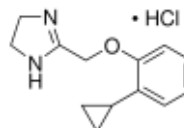
Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:

Cirazoline hydrochloride - solid

**Product Number:** C223  
**Batch Number:** 107H4629V  
**Brand:** SIGMA  
**CAS Number:** 40600-13-3  
**MDL Number:** MFCD00274034  
**Formula:** C<sub>13</sub>H<sub>16</sub>N<sub>2</sub>O · HCl  
**Formula Weight:** 252.74 g/mol  
**Quality Release Date:** 03 DEC 2013



Test	Specification	Result
Appearance (Color)	White to Beige	White
Appearance (Form)	Powder	Powder
Elemental Composition C <sub>13</sub> H <sub>16</sub> N <sub>2</sub> O.HCl	Pass	Pass
Purity (HPLC)	≥ 98 %	99 %
Identity	Confirmed	Confirmed



Brendan Nye, QC Team Leader  
Quality Control  
Natick, Massachusetts US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.