

# Technical Specification

**PRODUCT : Caffeine anhydrous ERBApharm - According to pharmacopoeia : Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB**

**CODE : 326350**

**MOLECULAR WEIGHT :194,2**

**CAS N° : 58-08-2**

**FORMULA : C<sub>8</sub>H<sub>10</sub>O<sub>2</sub>N<sub>4</sub>**

TEST	U.M.	SPECIFICATION
Description	-	White crystalline powder
Identification	-	Positive
Appearance of solution	Ph.Eur.	Conform*
Acidity	Ph.Eur.	Conform*
Related substances	Ph.Eur.	Conform*
Readily carbonizable substances	USP-NF	Conform*
Other alkaloids	USP-NF	Conform*
Melting point	°C	235 - 239*
Loss on drying	%	<= 0.5
Sulfated ashes	%	<= 0.1*
Heavy metals (as Pb)	ppm	<= 10*
Sulfate	ppm	<= 500*
Impurities (HPLC)	%	<= 0.1*
Assay (on dry)	% (d.s.)	98.5 - 101.0
Assay (HPLC)	% (d.s.)	98.5 - 101.0*

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.  
 CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of in