



**TABRIZ PHARMA**  
Tabriz Chemical and Pharmaceutical Ind.

Date:  
No:  
Comment:

## Quality Control Laboratory

### Certificate of Analysis

**Product: Piperazine Citrate- USP41**

**Batch No.: PIC98-103**

**Quantity: 1000 kg**

**Packing: 40 kg**

**Ref: USP41-NF36**

**Lab No.: QC312**

**Mfg. date: 23/04/98**

**Exp. date: 23/04/00**

No.	Chemical Analysis	Specifications	Results
01	Identification A	Infrared Absorption	Passes the test
02	Identification B,C	According to USP requirements	Passes the tests
03	Water	Max. 12.0%	10.6%
04	Chromatographic purity	Ethylenediamine: Max. 0.25% Triethylenediamine: Max. 0.25%	< 0.25 % < 0.25 %
05	Assay	98.0-100.5 %	98.7%

**Date of Sampling: 24/04/97**

**Approved**

**Rejected**

**Date of Analysis : 25/04/97**

**Analyst:**

**Q.C. Manager:**

  

**Authorized by:**

We hereby certify that this product has been prepared under GMP regulation and tested according & conform to the requirements of USP41. The raw materials, manufacturing process and product do not contain any of the solvents listed in organic volatile impurities (USP<467>)