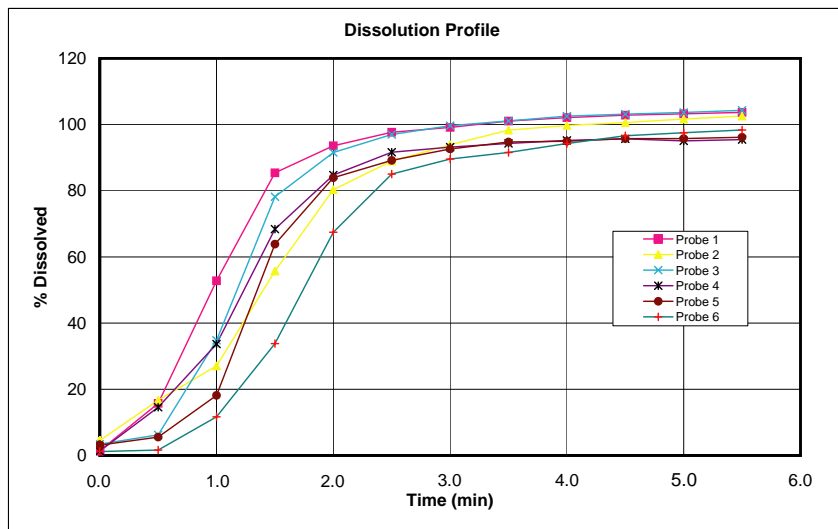


**Molecule of the Month**  
**April 2003 Famotidine**

Famotidine is a white to pale yellow crystalline powder prepared by chemical synthesis. It is a potent histamine H<sub>2</sub> antagonist to treat peptic ulceration, reflux esophagitis and other conditions where reduction of gastric acid is beneficial.



**R&D REPORT**

Session Name: **08062001-PEP**  
Method Name: **Generic**  
Sample ID: **Famotidine**  
Lot Number: 1  
Notebook Number: na  
Experiment Start: August.06.2001 AD 04:16:02 PM EDT  
Setup by: admin  
Software Version: Version 1.0 **Compound 'B' ignored**  
Database Version: Schema 1.0

Analyst: admin  
Method ID: Generic  
Compound: famotidine  
Version: 2

Standard 1 Mass (mg): 10  
Standard 2 Mass (mg): 10

hi	110	based on mean of data points #11
Test	100	
lo	80	

Mean and RSD are based on *displayed* probe %D-data.

**Original Wavelength Used**

Peak Absorbance Wavelength: 284 nm  
Baseline Correction Wavelength: 375 nm  
Second Derivative Start Wavelength: null  
Second Derivative End Wavelength: null

**Recalculation**

Global Scale Factor:			No. of decimal places (1...5):						
			2	<-- OK					
Suitability			Probe 1	Probe 2	Probe 3	Probe 4	Probe 5	Probe 6	
Limits:	15.0%	RSD (%)	0.07087	0.14183	0.07838	0.06576	0.10472	0.33807	
	15.0%	% DIFF:	0.07116	0.13973	0.18993	0.03494	0.03736	0.18781	
11	<-- Include Pt	Exclude -->							
Pt	Time (min)	Mean (%D)	RSD (%)	% D	% D	% D	% D	% D	% D
0	0.0	2.5	55.6	1.41	4.5	3.41	1.32	3.12	1.17
1	0.5	10.1	63.3	15.74	16.68	6.23	14.57	5.54	1.62
2	1.0	29.7	48.6	52.79	27.04	34.79	33.68	18.15	11.66
3	1.5	64.2	28.4	85.43	55.73	78.18	68.41	63.86	33.81
4	2.0	83.6	11.2	93.59	80.33	91.56	84.75	83.94	67.46
5	2.5	91.6	5.4	97.68	88.98	97	91.65	89.18	85.05
6	3.0	94.7	4.2	99.15	93.9	99.67	93.19	92.64	89.59
7	3.5	96.9	4.0	101.06	98.32	101.11	94.31	94.74	91.58
8	4.0	98.1	3.8	102.11	99.75	102.56	95.22	94.97	94.28
9	4.5	99.1	3.5	102.85	100.6	103.15	95.7	95.76	96.63
10	5.0	99.5	3.9	103.25	101.69	103.67	95.08	95.77	97.54
11	5.5	100.1	3.9	103.69	102.57	104.32	95.46	96.18	98.37