

Isopropyl-β-D-Thiogalactopyranoside (IPTG), Dixoane Free  
**Stability Report 36 Months at Room Temperature in Polyethylene**  
**Batch P13/43D/118**

	Assay HPLC (dry basis)	Purity HPLC	Purity TLC	Optical Rotation 1% H <sub>2</sub> O (dry basis)	Water (K.F.) %	Solubility 5%	pH	Melting Point °C	Date
Start	99.7	99.9	single spot	-32.1	0.3	clear & colorless	5.8	112-114	11/11/98
3 months	99.8	99.9	single spot	-32.0	0.7	clear & colorless	5.8	113-113.5	02/07/99
6 months	100.4	99.9	single spot	-32.2	0.9	clear & colorless	6.2	111-113	06/01/99
9 months	100.2	99.9	single spot	-31.3	2.1	clear & colorless	6.6	107-110	08/13/99
12 months	99.9	99.9	single spot	-32.2	1.5	clear & colorless	6.2	110-111	11/17/99
18 months	101.0	99.9	single spot	-32.9	4.0	clear & colorless	5.9	105-107	05/11/00
24 months	100.6	99.9	single spot	-32.2	3.3	clear & colorless	5.6	102-104	11/13/00
36 months	100.4	99.9	single spot	-31.7	3.5	clear & colorless	6.2	108-109	11/12/01

Comments: The product shows to be stable, although it tends to absorb water (it is hygroscopic) until it reaches about 7%. Then the moisture value stabilizes. If re-dried, the values revert to the starting values.