

# ***IPTG*** ***(isopropyl- $\beta$ -D-1-thiogalactopyranoside)***

## **CERTIFICATE OF ANALYSIS**

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**#B35, B325** IPTG (isopropyl- $\beta$ -D-1-thiogalactopyranoside)

**Batch Number:** SAZ756674

**Expiry Date:** 30.05.2025

**Store at:** +4°C and protect from the sunlight.  
After reconstitution, the IPTG should be kept at -20°C

**Description:** IPTG (isopropyl- $\beta$ -D-1-thiogalactopyranoside) is a chemical analog of lactose, which is not hydrolysed by  $\beta$ -galactosidase.  
It is used during the expression of recombinant protein in a Tabor-Studier as an inducer of the lac promoter.  
IPTG is also used in combination with X-Gal in the screening of recombinant clones of E. coli based on the known plasmid pUC18/19 system for selecting the white/ blue colonies.

## **QUALITY CONTROL**

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Parameter	Specification	Analysis
<b>Physical Description</b>	White powder	<b>Pass</b>
Purity	≥ 98%	<b>99.67%</b>
Solubility	Soluble in water	<b>Pass</b>

**Quality authorized by:** Justyna Leibner-Ciszak

**Date:** 20.11.2019

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#### **PRODUCT USE LIMITATION**

This product of Blirt S.A. has been developed for research purposes only and it is not suitable for human and animal therapeutic or diagnostic use.

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