

# Certificate of Analysis

## Myo-inositol trispyrophosphate (ITPP)

4,6,11,13,18,20-hexahydroxy-3,5,7,10,12,14,17,19,21-nonaoxa-4λ5,6λ5,11λ5,13λ5,18λ5,20λ5-hexaphosphatetracyclo[14.5.0.02,8.09,15]henicosane 4,6,11,13,18,20-hexaoxide

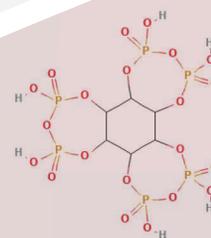
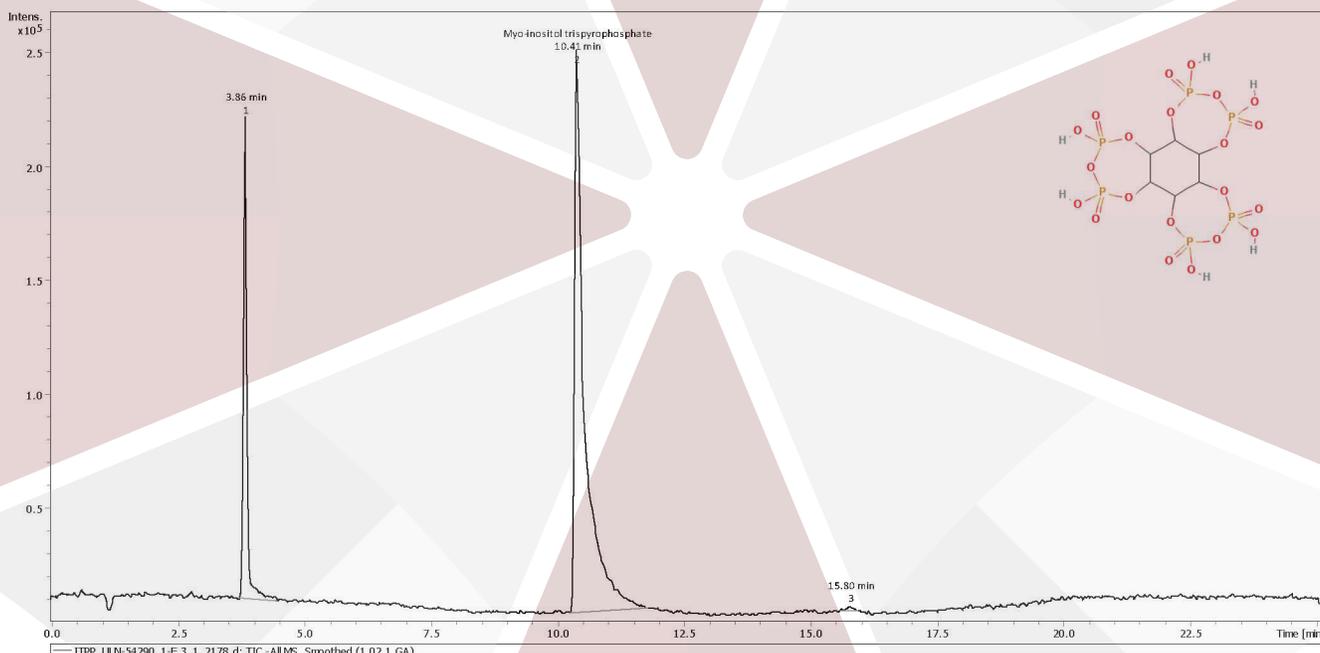
**Compound** : ITPP  
**Lot number** : ULN-54290  
**Analysis date** : 2024-04-24  
**Purity %** : 99.41%  
**Method** : HPLC-MS

**Client** : UMBRELLA.us  
**3280 E Hemisphere Loop**  
**Tucson, Arizona 85706**

PubChem CID: 10439981

<https://pubchem.ncbi.nlm.nih.gov/compound/10439981>

### High Performance Liquid Chromatography (HPLC) MS – Purity Test



PEAK LIST		Number of detected peaks: 3		
	Time (min)	Area	%Area	
1	3.86	1.08E+06	23.53	
2	<b>10.41</b>	<b>3.50E+06</b>	<b>76.02</b>	<b>ITPP</b>
3	15.80	2.09E+04	0.45	

Peak 1 consists of sodium formate adducts – an interaction between formate ions in the solvent and sodium from the sample. It is not counted as an impurity.

**Adjusted purity after discounting peak 1 : 99.41%**

Analysis Performed by  
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