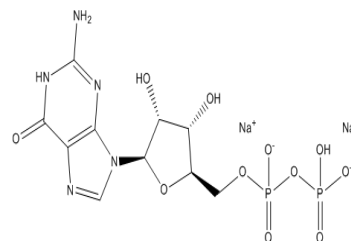


## Certificate Of Analysis

**Name:** Guanosine-5'-diphosphate disodium salt  
**CAS NO.:** 7415-69-2  
**Cat NO.:** A838035  
**Molecular Formula:** C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>Na<sub>2</sub>O<sub>11</sub>P<sub>2</sub>  
**Molecular Weight:** 487.16  
**Batch No.:** G04012020  
**Mfg.Date:** 2020-01-04  
**Exp.Date:** 2022-01-03



Items	Specifications	Results
Appearance	White powder or off- white powder	Conforms
Identification	Have the largest absorption at $\lambda=256\text{nm}\pm 2\text{nm}$ $A_{250}/A_{260}=0.90\sim 1.00$ $A_{280}/A_{260}=0.62\sim 0.72$	256nm $A_{250}/A_{260}=0.95$ $A_{280}/A_{260}=0.69$
	Dissolve in dilute nitric acid,add ammonium molybdate TS,heat for a few minutes and cool,a yellow precipitate is produced.	Conforms
Heavy metals	$\leq 0.001\%$	Conforms
Loss on drying	$\leq 15.0\%$	9.8%
Contents (on drysis)	$\geq 90.0\%$	99.98%
Purity (HPLC)	$\geq 90\%$	92.20%
<b>Conclusion</b>	The product tested complies with the specifications	

**Storage condition: Store in a tightly closed container in a cool and dry place.**

Checker:

\*If you have any comments and suggestions, please contact us by [sales@amadischem.com](mailto:sales@amadischem.com)

\*For R&D use only