

# Specification

## Technical Data Sheet

<b>Product Name</b>	Guanosine-5'-diphosphate disodium salt (GDP)
<b>Product No</b>	78355753
<b>CAS Number</b>	7415-69-2
<b>Storage Temperature</b>	-15 to -20 °C
<b>Molecular Weight</b>	487.16
	<b>Specification</b>
<b>Appearance</b>	White or almost white powder or lump
<b>Conclusion</b>	Up to the standard
<b>Heavy metals</b>	≤0.001%
<b>Identification</b>	Dissolve in dilute nitric acid, add ammonium molybdate TS, heat for a few minutes and cool, a yellow precipitate is produced
<b>Purity (HPLC)</b>	≥90.0%
<b>Protein</b>	No turbidity is produced

## Specification

---

### Identification Test

Yields the flame reaction characteristic of sodium salts

---

### Identification(IR)

Have the largest absorption at  $256 \pm 2$ nm wavelength  
 $A_{250}/A_{260} = 0.90 \sim 1.00$   $A_{280}/A_{260} = 0.62 \sim 0.72$

---