

**ALAMANDA**  
P O L Y M E R S

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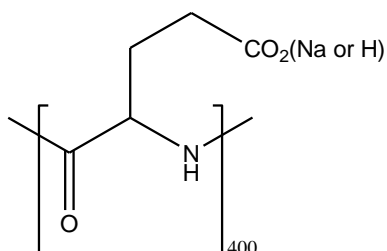
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## Specification Sheet

Chemical name: poly(D-glutamic acid sodium salt)

CAS number: 30811-79-1

Catalog item: PDE<sub>400</sub>, average MW 60000



Catalog number: 000-DE400

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| Appearance                          | White to faint-yellow solid         |
| Solubility                          | Clear solution at 50 mg/mL of water |
| Identify by NMR                     | Conforms                            |
| Quantitative analysis (%)           | Na=11-15                            |
| PDI by GPC                          | 1.00-1.20                           |
| MN by NMR or viscosity              | 54400-66400                         |
| DP <sub>n</sub> by NMR or viscosity | 360-440                             |