**Specifications for PAPS**

Chemical name: 3’-phosphoadenosine 5’-phosphosulfate

Chemical Structure:



|  |  |  |
| --- | --- | --- |
|  | Method | Acceptance Criteria |
| Appearance | Clear solution\* | Clear Solution |
| Identity | Propac anion exchange HPLC | Co-eluted with PAPS reference compound |
| Purity HPLC test (area %) | Propac anion exchange HPLC | ≥ 91% |
| Concentration | 75 ± 50 mM | 124 mM |
| MW measurement | Electrospray ionization mass spectrometry | 507 ± 0.5 Da |
| Protein contamination (w/w) | Measured by Bradford method | 0.05% |

\*PAPS is in 25 mM Tris (pH 7.5).

**HPLC Purity Analysis**



![Graphical user interface, application, Word

Description automatically generated]()**Mass Spec Identity Test:**