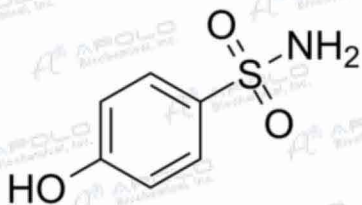


## CERTIFICATE OF ANALYSIS

**Product Name:** 4-Hydroxybenzenesulfonamide

**Chemical Structure:**



**Lot Number:** 212855CSW017553

**CAT Number:** APL-1576438

**CAS Registry Number:** 1576-43-8

**Manufacture Date:** 01/2022

**Expiry Date:** 01/2024

**Molecular Formula:** C<sub>6</sub>H<sub>7</sub>NO<sub>3</sub>S

**Molecular Weight:** 173.19

**Storage:** RT

## Analysis Data

| Item             | Specification             | Results  |
|------------------|---------------------------|----------|
| Appearance       | Yellow to brown (Solid)   | Conforms |
| 1 H NMR Spectrum | Consistent with structure | Conforms |
| Purity (HPLC)    | ≥ 98.00 %                 | 98.60 %  |
| Water (KF)       | ≤ 0.5 %                   | 0.44 %   |

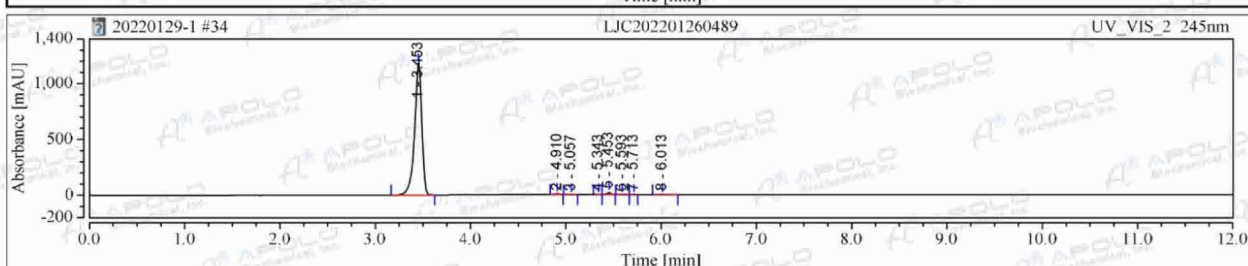
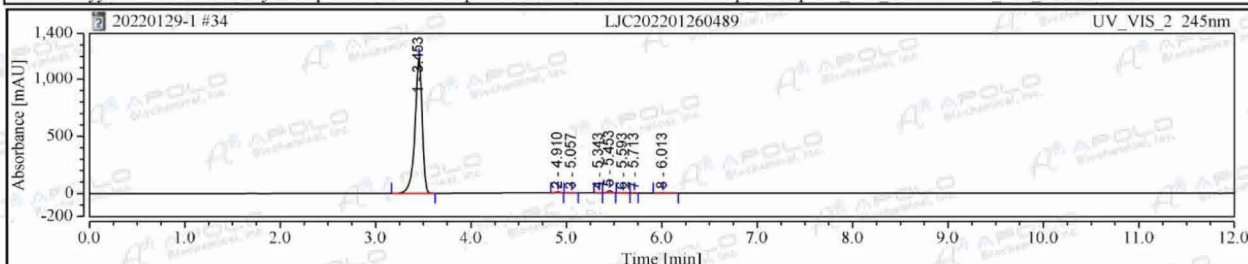
The foregoing is a copy of the Certificate of Analysis as provided by our supplier

**Jennifer LaBrecque 02/2022**  
Quality Assurance Manager

**Conclusion:** The above product meets the specifications of APOL

## Chromatogram and Results

|                                                                                                                          |                      |                         |                  |
|--------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------|------------------|
| Injection Name:                                                                                                          | LJC202201260489      | Channel:                | UV_VIS_2         |
| Vial Number:                                                                                                             | BD7                  | Wavelength:             | 245.0            |
| Injection Type:                                                                                                          | Unknown              | Injection Volume:       | 5.00             |
| Instrument:                                                                                                              | AHC003               | Injection Time:         | 29/01/2022 18:33 |
| Instrument Method:                                                                                                       | 10-80A-12min         | InstMeth.creation_time: | 11/05/2020 13:41 |
| Processing Method:                                                                                                       | PM-260489            | Last update time:       | 30/01/2022 10:10 |
| seq.creation_operator:                                                                                                   | Asunwj               | Data Operator:          | Asunwj           |
| CAS NO.:                                                                                                                 | 1576-43-8 ARP-201901 | Print Operator:         | Asunwj           |
| chrom://ahvy-cm7/CM7DATA/Leyan/Sequence/AHC003/Sequence/2022/202201/20220129-1.seq/971.smp/UV_VIS_2.channel/UV_VIS_2.chm |                      |                         |                  |



| No.    | Retention Time<br>min | Area<br>mAU*min | Height<br>mAU | Plates (USP) | Resolution (USP) | Asymmetry (USP) | Rel.Area<br>% | Peak Name |
|--------|-----------------------|-----------------|---------------|--------------|------------------|-----------------|---------------|-----------|
| 1      | 3.453                 | 102.847         | 1175.020      | 10965        | 14.50            | 0.83            | 98.600        |           |
| 2      | 4.910                 | 0.353           | 7.954         | 80876        | 2.02             | 0.90            | 0.338         |           |
| 3      | 5.057                 | 0.046           | 0.910         | 70659        | 4.03             | 0.90            | 0.044         |           |
| 4      | 5.343                 | 0.052           | 1.294         | 104305       | 1.63             | 0.86            | 0.050         |           |
| 5      | 5.453                 | 0.875           | 19.830        | 101161       | 1.79             | 0.88            | 0.839         |           |
| 6      | 5.593                 | 0.044           | 0.812         | 64807        | 1.61             | 1.05            | 0.042         |           |
| 7      | 5.713                 | 0.025           | 0.658         | 138246       | 4.51             | 0.93            | 0.024         |           |
| 8      | 6.013                 | 0.065           | 1.038         | 112841       | n.a.             | 1.23            | 0.063         |           |
| Total: |                       | 104.307         | 1207.516      |              | 30.08            |                 |               |           |

CAS NO. : 1576-43-8 DMSO

