



CERTIFICATE OF ANALYSIS

**Honeywell Burdick & Jackson®**

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**Brand:** Research Chemicals - B&J  
**Product:** 347  
**Lot No.:** ED544  
**Production Date:** 6-Feb-2022  
**Best Before:** 6-Feb-2024

Toluene, B&J Brand™, >99.8%  
for HPLC, GC, pesticide residue analysis and spectrophotometry

| Parameter                       | Specification |        | Result  | Units |
|---------------------------------|---------------|--------|---------|-------|
|                                 | Min.          | Max.   |         |       |
| Water by Karl Fischer Titration |               | 0.03   | 0.001   | %     |
| UV Cutoff                       |               | 284    | 284     | nm    |
| Refractive Index (20°C)         | 1.4963        | 1.4971 | 1.4970  |       |
| Residue                         |               | 1      | <0.5    | mg/L  |
| Benzene                         |               | 500    | <500    | mg/L  |
| GC Analysis                     | 99.8          |        | 99.96   | %     |
| Electron Capture GC             |               | 2      | <2      | µg/L  |
| UV Absorbance @ 300 nm          |               | 0.120  | 0.0776  | AU    |
| UV Absorbance @ 325 nm          |               | 0.025  | 0.0164  | AU    |
| UV Absorbance @ 350 nm          |               | 0.005  | 0.0034  | AU    |
| UV Absorbance @ 400 nm          |               | 0.005  | <0.0001 | AU    |

**Honeywell**  
**Quality Control Approval**