

**Cambridge Structural Database**  
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***CSD R-factor Statistics***

The precision of crystal structure determinations is often assessed using the crystallographic R-factor, a measure of how well the structure factors computed using the refined structural model agree with structure factors given by the experimentally observed diffraction intensities. CSD structures with unreported R-factors often arise from short communications, and most frequently from the earlier literature.

| R-factor range | No. in range | % CSD | Cumulative % |
|----------------|--------------|-------|--------------|
| 0.0100-0.0300  | 62774        | 10.5  | 10.5         |
| 0.0301-0.0400  | 122706       | 20.6  | 31.1         |
| 0.0401-0.0500  | 135525       | 22.7  | 53.8         |
| 0.0501-0.0700  | 163269       | 27.4  | 81.2         |
| 0.0701-0.0900  | 60651        | 10.2  | 91.4         |
| 0.0901-0.1000  | 13370        | 2.2   | 93.6         |
| 0.1001-0.1500  | 18353        | 3.1   | 96.7         |
| 0.1501-        | 3835         | 0.6   | 97.3         |
| Not reported   | 16327        | 2.7   | 100.0        |