



## STORAGE RACK DATA SHEET – 500KG LOAD CAPACITY

**\*\*Product Name:\*\*** Heavy Duty Storage Rack – 500KG per Level

**\*\*Test Report Reference:\*\*** NO. BV20251TL395747523 (Guangzhou BV Technology Testing Co., Ltd)

**\*\*Test Report Date:\*\*** July 16, 2025

### 1. PRODUCT SPECIFICATIONS

Model	AHD Storage Rack 500KG
Dimensions	L.2000 x D.600 x HT.2000 mm
Frame	50 x 65 x 1.5 mm (Steel)
Beam	50 x 80 x 1.2 mm (Steel)
Panel	0.60 mm (Steel Sheet)
Finish	Powder Coated – Anti-rust surface

### 2. LOAD CAPACITY

- Load-bearing capacity per level: **\*\*500 KG\*\***
- Maximum total capacity (4 levels): **\*\*2000 KG\*\***
- Deflection under load: Within 1/200 of beam span as per GB/T standards.

### 3. TEST STANDARDS & RESULTS

Tested according to the following Chinese National Standards:

- GB/T 27924-2011 – Storage Racking System Performance Requirements
- GB/T 3325-2017 – Metal Furniture Structural Strength
- GB/T 10357.5-2013 – Furniture Strength and Durability Testing

Test Result: The sample was tested and all inspected parameters met the standard requirements. No deformation, cracks, or weld failures observed under 500KG load.

### 4. QUALITY INSPECTION

Appearance inspection confirmed:

- Surface intact, no bends or breaks.
- Column verticality and weld joints within tolerance.
- No visible rust, dents, or distortion on any component.

### 5. APPLICATION

Suitable for heavy-duty storage use in warehouses, workshops, and commercial facilities. Designed for easy assembly and modular expansion.