



## Specification

### 3,3,5,5-Tetramethylbenzidine

**Catalog Number:** TB1014  
**CAS Number:** 54827-17-7  
**Synonym(s):** TMB  
**Molecular Formula:** C<sub>16</sub>H<sub>20</sub>N<sub>2</sub>  
**Molecular Weight:** 240.35

Test	Specification
Appearance:	White to off-white to cream crystalline powder
Identification (IR):	To pass test
Assay (HPLC):	99.0% minimum
Melting Point:	167 - 170 deg. C
Loss on drying:	< 1 %
Residue on ignition:	0.2%
Solubility (5% ethyl acetate):	Clear to slightly hazy colorless to yellow to yellow-green or orange solution

Approved:

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