

**THE CHEMICAL BROTHERS GROUP**

**SPECIFICATIONS - 1,3 BUTADIENE**

Formula: C<sub>4</sub>H<sub>6</sub>  
CAS: 106-99-0  
Date of Mfg.: 1<sup>st</sup> April 2024

PARAMETER	UNIT	SPEC
1.3 BUTADIENE	wt %	> 99.5
CARBONYL AS ACETALDEHYDE	wppm (max)	20
VINYL ACETYLENE	wppm (max)	5
TOTAL ACETYLENES AS VA	wppm (max)	40
PEROXIDE AS H <sub>2</sub> O <sub>2</sub>	wppm (max)	2
SOLVENT NMP	wppm (max)	10
1.2 BD	wppm (max)	20
OTHER C <sub>4</sub> ' S	wt % (max)	0.5
METHYLACETYLENE	wppm (max)	5
BD DIMER	wppm (max)	250
TBC AS LOADED	wppm	100-150
PROPADIENE	wppm (max)	10
SULFUR	wppm (max)	10
C <sub>5</sub> HYDROCARBONS	wppm (max)	10

**Note:** BD DIMER AND TBC AS LOADED - DURING THE LOADONG PROCESS Test Methods: GC,  
ASTM-D-1022, ASTM-D-1089, ASTM-D-1157 and ASTM-D-3120

**\*End of Report\*\***