




## ISO 20344 Test Solution

No.	Test Material	Clause Reference	Test Item	Equipment	Remark
<b>Test For Whole Footwear</b>					
1	<b>Whole footwear</b>	<b>5.2</b>	upper/outsole and sole interlayer bond strength	GT-K01 Universal Testing Machine KE-14 Shoes Sole & Upper Bonding Strength Test Grips	
2		<b>5.4</b>	impact resistance	GT-KB17 Safety Shoes Impact Tester	
3		<b>5.5</b>	compression resistance ( forepart of the footwear)	GT-KB12 Safety Footwear Compression and Puncture Tester	
4		<b>5.7</b>	leakproofness	GT-KA15 Shoe Lining Leakproofness Tester	
5		<b>5.8</b>	dimensional conformity of inserts and the penetration resistance of the sole	GT-KB12 Safety Footwear Compression and Puncture Tester	
6		<b>5.9</b>	flex resistance of penetration-resistant inserts	GT-KB11 Penetration-Resistant Inserts Flexing Tester	
7		<b>5.10</b>	electrical resistance	GT-KC38-1 Anti-static Electrical Electrical Resistance Tester	
8		<b>5.11</b>	footwear slip resistance	GT-KB48 Slip Resistance Tester	
9		<b>5.12</b>	insulation against heat	GT-KB47 Shoes Heat Insulation Tester	
10		<b>5.13</b>	insulation against cold	GT-KB25 Safety Shoes Cold Insulation Test Chamber	
11		<b>5.15.2</b>	resistance to water for whole footwear (dynamic)	GT-KA02-1 Footwear Water Penetration & Flexing Tester	
12		<b>5.16</b>	impact resistance of metatarsal protective device	GT-KB17 Safety Shoes Impact Tester	
13		<b>5.17</b>	shock absorption capacity of ankle protection materials incorporated into the upper	GT-KB16 Ankle Protection Materials Shock Absorption Capacity Tester	

*For more information, pls contact us : [info@gester-instruments.com](mailto:info@gester-instruments.com)*