





Equivalence Table of Raw and Transformed Scale Scores for the TIMSS 2015 Students Confident in Chemistry Scale, Eighth Grade

Raw Score	Transformed Scale Score	Cutpoint
0	3.83109	
1	5.43486	
2	6.22207	
3	6.76721	
4	7.19805	
5	7.56067	
6	7.87953	
7	8.16824	
8	8.43786	
9	8.69269	
10	8.93765	
11	9.17680	
12	9.41304	9.5
13	9.65127	
14	9.89290	
15	10.14184	
16	10.40188	
17	10.67761	
18	10.97271	
19	11.29909	
20	11.66958	11.6
21	12.10853	
22	12.66162	
23	13.45723	
24	15.06951	

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

Cronbach's Alpha Reliability Coefficient and Principal Components Analysis of the Items in the TIMSS 2015 Students Confident in Chemistry Scale, Eighth Grade

Country	Cronbach's Alpha Reliability Coefficient	Percent of Variance Explained	Component Loadings for Each Item							
			BSBC32A	BSBC32B*	BSBC32C*	BSBC32D	BSBC32E	BSBC32F	BSBC32G*	BSBC32H*
Georgia										

