

**American Chemical Society Division of Chemical Education  
Composite Norms – Instrumental Analysis 2017 (IA17)**

Score	Percentile	Score	Percentile	Score	Percentile
50	100	31	57	12	0
49	100	30	51	11	0
48	100	29	45	10	0
47	100	28	39	9	0
46	100	27	32	8	0
45	100	26	27	7	0
44	99	25	24	6	0
43	99	24	20	5	0
42	98	23	16	4	0
41	98	22	13	3	0
40	96	21	10	2	0
39	94	20	7	1	0
38	91	19	5	0	0
37	87	18	4		
36	84	17	3	Mean	29.6
35	79	16	2	Std. deviation	6.3
34	73	15	1	Median	30
33	67	14	1	KR-21 reliability	0.71
32	62	13	1	Std error/meas	3.39

**IA17 Norms**  
based on the scores of 510 students from 30 institutions

