

**American Chemical Society Division of Chemical Education
Composite Norms – 2004 High School Chemistry Exam – Advanced (HS04A)**

Score	Percentile	Score	Percentile	Score	Percentile
60	100	35	66	10	1
59	100	34	62	9	1
58	100	33	56	8	1
57	100	32	51	7	0
56	100	31	48	6	0
55	100	30	43	5	0
54	100	29	39	4	0
53	100	28	35	3	0
52	100	27	29	2	0
51	99	26	26	1	0
50	99	25	20	0	0
49	98	24	17		
48	97	23	14		
47	96	22	12		
46	95	21	11		
45	93	20	11		
44	91	19	9		
43	89	18	7		
42	88	17	6		
41	86	16	6		
40	83	15	4		
39	80	14	3		
38	76	13	1		
37	73	12	1		
36	69	11	1		

Mean	31.0
Std. deviation	8.7
Median	31
KR-21 reliability	0.82
Std error/meas	3.7

HS04A: 2004 High School Chemistry Exam – Advanced
based on the scores of 265 students from 7 different institutions

