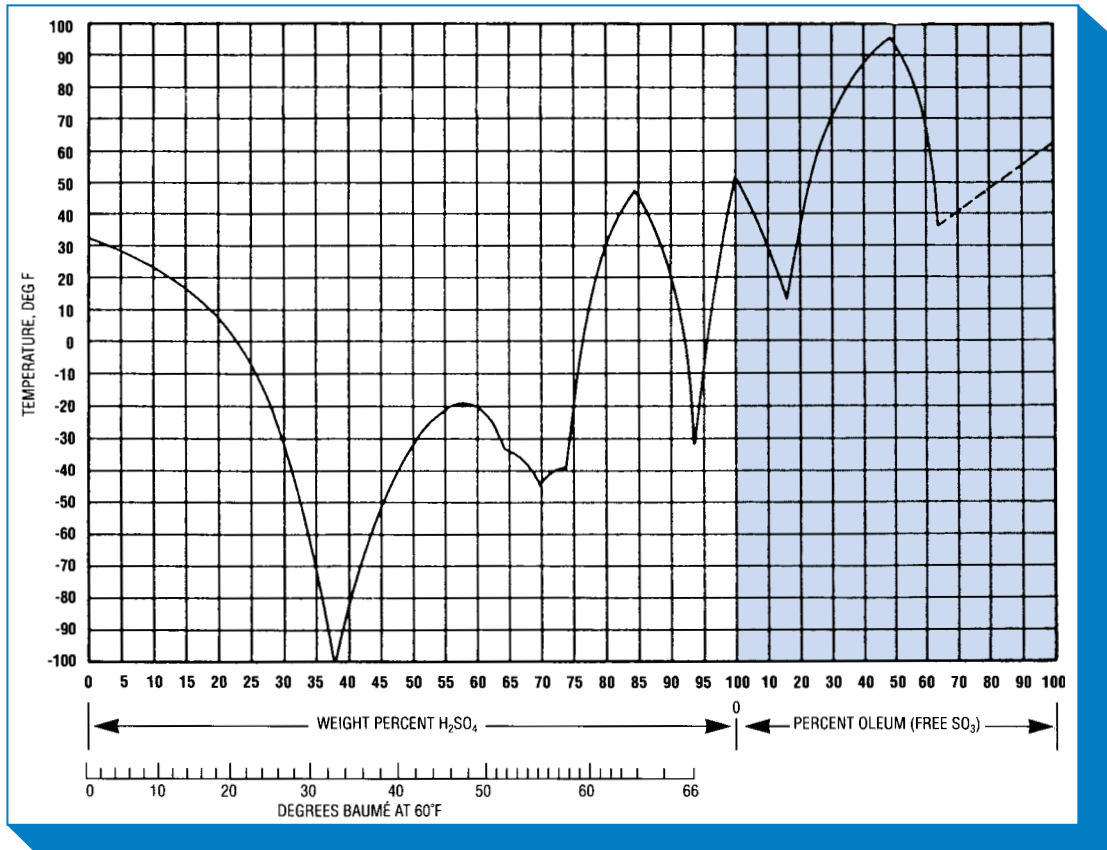


# 4 Temperature Corrections to Specific Gravity and Degrees Baumé: Sulfuric Acid

Acid strength as measured			Correction (per deg C)		Correction (per deg F)	
%	° Baumé	S.G.	S.G.	° Baumé	S.G.	° Baumé
10.77	10	1.0741	0.00041	0.0520	0.00023	0.0290
22.25	20	1.1600	0.00061	0.0650	0.00034	0.0360
34.63	30	1.2609	0.00070	0.0630	0.00039	0.0350
48.10	40	1.3810	0.00074	0.0560	0.00041	0.0310
62.18	50	1.5263	0.00081	0.0540	0.00045	0.0280
77.67	60	1.7059	0.00095	0.0470	0.00053	0.0260
83.34	63	1.7683	0.00103	0.0470	0.00057	0.0260
93.19	66	1.8354	0.00097	0.0420	0.00054	0.0235
94.00		1.8381	0.00097		0.00054	
96.00		1.8427	0.00095		0.00053	
98.00		1.8437	0.00094		0.00052	
100.00		1.8391	0.00094		0.00052	

To determine actual Specific Gravity or Degrees Baumé at temperatures other than 60.0 degrees F / 15.6 degrees C:  
 a) subtract correction factor for each degree above 60 degrees F / 15.6 degrees C, or  
 b) add correction factor for each degree below 60 degrees F / 15.6 degrees C  
 Note: Titration should be used for measurement of strength over 93% / 66 degrees Baumé

# 5 Freezing Points: Sulfuric Acid and Oleum



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