



**NIST Technical Note 2179**

# **Update of Legacy NIST Horizontal Micro-Fin Tube Convective Boiling Measurements and Model with Current Fluid Property Values**

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Table 3 Effect of re-reduction of data with current REFPROP (Lemmon et al. 2018)

Test fluid	Minimum %	Maximum %	Average %
R22	0.00	10.30	0.76
R32	0.00	0.86	0.32
R125	0.00	1.41	0.68
R134a	0.00	1.02	0.15
R1234yf	0.00	14.34	5.25
R1234ze(E)	0.00	0.69	0.23
R407C	0.23	39.62	20.54
R410B	0.02	39.87	21.89
R448A	0.00	0.84	0.62
R449A	0.00	4.71	2.16
R450A	0.24	4.3	0.5
R452B	0.00	25.00	2.10
R513A	0.00	0.00	0.00
R515B	0.00	0.00	0.00
32/134a <sup>5</sup>	13.78	39.75	31.33
32/134a <sup>6</sup>	28.11	39.99	34.47

<sup>5</sup> R32/R134a (27/73) mass fraction.

<sup>6</sup> R32/R134a (30/70) mass fraction.