

Table 1B. Physical Properties of Zeotropic Blends (400 Series Refrigerants)

	Reporting Units	Reference (Subclause)	R-401A	R-401B	R-402A	R-402B
<b>CHARACTERISTICS**:</b>						
Refrigerant Components			R-22/152a/124	R-22/152a/124	R-125/290/22	R-125/290/22
Nominal Comp, weight%			53/13/34	61/11/28	60/2/38	38/2/60
Allowable Comp, weight%			51-54/11.5-13.5/33-35	59-63/9.5-11.5/27-29	58-62/1-3/36-40	36-40/1-3/58-62
Boiling Point*	°F @ 1.00 atm	---	-27.7 to -18.1	-30.4 to -21.2	-54.8 to -53.9	-53.3 to -49.0
	°C @ 1.00 atm	---	-33.2 to -27.8	-34.7 to -29.6	-48.2 to -47.7	-47.4 to -45.0
Boiling Point Range*	K	---	5.4	5.1	0.5	2.4
<b>VAPOR PHASE CONTAMINANTS:</b>						
As and other non-condensables	% by volume @ 25°C	5.9	1.5	1.5	1.5	1.5
<b>LIQUID PHASE CONTAMINANTS:</b>						
Water	ppm by weight	5.4	10	10	10	10
All other impurities including refrigerants	% by weight	5.1	0.50	0.50	0.50	0.50
High boiling residue	% by volume	5.7	0.01	0.01	0.01	0.01
Particulates/solids	Visually clean to pass	5.8	pass	pass	pass	pass
Acidity	ppm by weight	5.6	1.0	1.0	1.0	1.0
Chlorides**	No visible turbidity	5.5	pass	pass	pass	pass

\* Boiling points and boiling point ranges, although not required, are provided for informational purposes.

\*\* Recognized chloride level for pass/fail is 3ppm.