

Table 1C. Physical Properties of Azeotropic Blends (500 Series Refrigerants)					
	Reporting Units	Reference (Subclause)	R500	R502	R503
CHARACTERISTICS*:					
Refrigerant Components					
Nominal Comp, weight%			R12/152a	R22/115	R23/13
Allowable Comp, weight%			73.8/26.2	48.8/51.2	40.1/59.9
			72.8-74.8/ 25.2-27.2	44.8-52.8/ 47.2-55.2	39-41/ 59-61
Boiling Point*	°F @ 1.00 atm	---	-28.1	-49.7	-127.7
	°C @ 1.00 atm	---	-33.4	-45.4	-88.7
Boiling Point Range*	K	---	0.5	0.5	0.5
VAPOR PHASE CONTAMINANTS:					
Air and other non-condensables	% by volume @ 25°C	5.9	1.5	1.5	1.5
LIQUID PHASE CONTAMINANTS:					
Water	ppm by weight	5.4	10	10	10
All other impurities including refrigerants	% by weight	5.1	0.50	0.50	0.50
High boiling residue	% by volume	5.7	0.05	0.01	0.01
Particulates/solids	Visually clean to pass	5.8	pass	pass	pass
Acidity	ppm by weight	5.6	1.0	1.0	1.0
Chlorides**	No visible turbidity	5.5	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.					