



To whom it may concern

Certificate We hereby certify that the refrigerants as well as the Blowing agent for thermal insulation of VESTFROST Freezers Refrigerator manufactured and marketed by A/S VESTFROST, Spangsbjerg Møllevvej 100, or Falkevej 12, 6705 Esbjerg Ø, DENMARK are environment friendly and do not destroy the ozone layer. They are produced according to the Montreal Protocol and do not contain CFC-based components such as:

<u>Refrigerant No.</u>	<u>Chemical Name.</u>	<u>Chemical formular.</u>
R10	Carbon tetrachloride	CCL ₄
R140a	1,1,1-trichloroethane (methylchloroform)	CH ₃ CCL ₃
R11	Trichlorofluoromethane	CCL ₃ F
R12	Dichlorodifluoromethane	CCL ₂ F ₂
R13	Chlorotrifluoromethane	CCIF ₃
R12B1	Bromoclorodifluorometane	CBrCIF ₂
R13B1	Bromotrifluorometane	CBrCIF ₃
R22	Chlorodifluoromethane	CHCIF ₂
R23	Trifluoromethane	CHF ₃
R113	Trichlorotrifluoroethane	CCL ₂ FCCLF ₂
R114	Dichlorotetrafluoroethane	CCLF ₂ CCLF ₂
R115	Chloropentafluoroethane	CCLF ₂ CF ₃
R12B1	Bromoclorodifluorometane	CBrCIF ₂
R13B1	Bromotrifluorometane	CBrCIF ₃
R502	Blend of R22-R115	
All	Dibromotetrafluorometane	

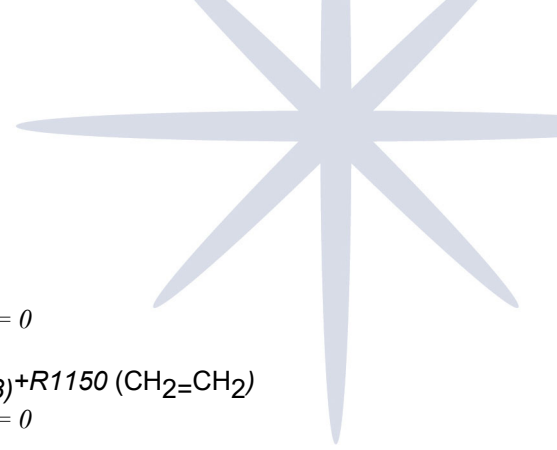
Specifications: *Models:*

Vaccine:

*ICE-LINED REFRIGERATORS,
ICE-PACK FREEZERS,
SOLAR DIRECT DRIVEN REF.,
VLS GREEN LINE ICE-LINED REFRIGERATORS*

Biomedical:

*ULTRA LOW TEMP. FREEZERS -86C,
LOW. TEMP. FREEZERS -60C,
LOW TEMP. FREEZERS -45C,
PHARMACY REFRIGERATORS,
BLOOD BANK REFRIGERATORS,*



Refrigerant could be: **R600a** $\text{CH}(\text{CH}_3)_3$
Ozone Depletion Potential = 0

or **R600** $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_3)$ + **R1150** $(\text{CH}_2=\text{CH}_2)$
Ozone Depletion Potential = 0

or **R600** $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_3)$ + **R1150** $(\text{CH}_2=\text{CH}_2)$ + **R50** (CH_4)
Ozone Depletion Potential = 0

or **R290** (C_3H_8)
Ozone Depletion Potential = 0

or **R134a** (CH_3CF_3)
Ozone Depletion Potential = 0

Blowing agent: **Cyclo Pentane** $(\text{C}_5\text{H}_{10})$
Ozone Depletion Potential = 0

A/S VESTFROST

Esbjerg January 2019


Appliance Certification manager
Kálman Deák