

## Customer Specification No. CS Solstice® 1234ze-1 Rev. 2

**Honeywell Solstice® 1234ze**  
Refrigeration Grade  
Meets AHRI Standard 700 Specifications

Alternate Name(s): **R-1234ze**  
Chemical Formula: **CHFCHCF<sub>3</sub>**  
CAS Number: **1645-83-6**

<u>Parameter</u>	<u>Limit<sup>1</sup></u>	<u>Test Method</u>
Trans-1,3,3,3-Tetrafluoroprop-1-ene	99.5% (w/w), min.	RDAM-618T
Moisture	10 ppm (w/w), max.	HFO-1234ze-52
Chlorides	3 ppm (w/w), max.	HFO-1234ze-4
Acidity		
as HCl	1 ppm (w/w) as HCl, max.	HFO-1234ze-2
As mg KOH/gm	0.0015 mg KOH/gm, max.	HFO-1234ze-2
Non-volatile residue	100 ppm (v/v), max.	HFO-1234ze-6
Particulates and Solids	Visually clean to pass	Visual Inspection
Non-condensable gases in vapor phase @25°C	1.5% (v/v), max.	HFO-1234ze-8
Impurities: Maximum Quantity in Liquid Phase Detected by This Method		
Total organic impurities	5,000 ppm (w/w), max.	RDAM-618T
(Z) 1,3,3,3-Tetrafluoroprop-1-ene, 1234ze	1,000 ppm (w/w), max.	RDAM-618T

<sup>1</sup> All analyses shall be performed on the liquid phase of the sample, unless noted otherwise.

Approved by:   
Coordinator of Specifications  
Fluorine Products

Date: 02/23/15

**Specification History:**

CS Solstice® 1234ze-1 Rev. 2, revised 02/23/15. Revised Spec to be updated.

CS Solstice™ 1234ze-1 Rev. 1, revised 03/16/12. Revised Spec due to Name Change from HFO-1234ze to Solstice™ 1234ze.

New, issued 04/21/09