



## Test Report

30 degree regular length

KUIU  
SL  
13 Nov 2013KUIU  
1920 N Lincoln St. # 101  
Dixon, CA  
USAArrived: 31 Oct 2013  
Completed: 13 Nov 2013Sample Description: Plumage  
Shipped By: FedEx  
Filling Label:  
Sample Identification: 30 degree regular length, color all grey

## Thermal Insulation Data and Temperature Ratings for Sleeping Bags

Bag	Bag Weight	Insulation Value (clo) <sup>a</sup>	EN 13537 Temperature Ratings <sup>b</sup>		
			T comfort	T limit	T extreme
30 degree regular length, color all grey (IDFL 13-172675)	1 lb. 7 oz. 0.655 kg	6.437	1°C 35°F	-4°C 24°F	-21°C -6°F

Note - KUIU designed this bag to match T Limit temperature rating

Temperature Predictions

In section 3, the standard defines three temperatures that designate the range of utility for a sleeping bag system (CEN, 2012).

**Comfort temperature (T<sub>comf</sub>):** Lower limit at which a sleeping bag user with a relaxed posture such as lying on the back is globally in thermal equilibrium and not feeling cold (related to standard woman and in standard conditions of use).

**Limit temperature (T<sub>lim</sub>):** Lower limit at which a sleeping bag user with a rolled posture is globally in thermal equilibrium and not feeling cold (related to standard man and in standard conditions of use).

**Extreme temperature (T<sub>ext</sub>):** Lower extreme temperature where the risk of health damage by hypothermia occurs (related to a standard woman and in standard conditions of use). This is a point of danger that can lead to death.

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# Test Report

## DOWN SAMPLE SEWN IN CLOTH BAG 850+ QUIXDOWN

KUIU  
SL  
14 Nov 2013

KUIU  
1920 N Lincoln St. # 101  
Dixon, CA  
USA

RUSH 3-Day  
Arrived: 08 Nov 2013  
Completed: 14 Nov 2013

Sample Description: Plumage  
Shipped By: FedEx  
Filling Label:  
Sample Identification: DOWN SAMPLE SEWN IN CLOTH BAG QUIX DOWN



### Fill Power

Method	Conditioning	Final
IDFB/Lorch Cylinder (in <sup>3</sup> /oz)	Steam IDFB-10-B	865

### Content Analysis IDFB-3 - USA Report Format

Down Cluster	93.9%
Down Fiber	1.1%
Feather Fiber	0.1%
Waterfowl Feathers	4.8%
Broken / Damaged Feathers	0.1%
Quill	0.0%
Landfowl	0.0%
Residue	0.0%
<b>Total</b>	<b>100.0%</b>

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