

Certification

This is to certify that RWS Life Sciences, Inc. has performed the following procedures on the *Dermatology Life Quality Index (DLQI)* [RWS Life Sciences Job #: 206229]:

- Two independent forward translations
- One harmonized forward translation
- Two independent back-translations
- Reconciliation of back-translations and harmonized translation
- Developer review of back-translations
- Review of harmonized translation by on-site sponsor representative
- Cognitive debriefing with five patients with chronic urticaria in Morocco
- Developer review of cognitive debriefing results
- Desktop publishing of validated translation
- Proofreading of validated translation

These documents were translated from English to French and prepared by a team of translators and interviewers who are fully bilingual in both French for Morocco and English. All procedures were performed in accordance with current industry standards and FDA guidance.

Authorized Signature:



Joe Lukasik
*Senior Director of Linguistic Validation
Operations*

Date of Production: 14 July 2018