Certificate of Registration

This is to certify that the Energy Management System of

Boliden Harjavalta Oy

Main site: Teollisuuskatu 1, 29200 Harjavalta, Finland

Additional site: Kuparitie 5, 28330 Pori, Finland

has been assessed and registered by Intertek as conforming to the requirements of

ISO 50001:2011

The energy management system is applicable to

Smelting of copper and nickel concentrates and copper production

Certificate Number:	0062120-00
Initial Certification Date:	17 April 2014
Certificate Issue Date:	16 April 2017
Certificate Expiry Date:	16 April 2020

Thomas Andersson, CEO
Intertek Certification AB
P.O. Box 1103, SE-164 22 Kista, Sweden

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ISO/IEC 17021

In the issuance of this certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the agreed upon Certification Agreement. This certificate's validity is subject to the organization maintaining their system in accordance with Intertek's requirements for systems certification. Validity may be confirmed via email at certificate.validation@intertek.com or by scanning the code to the right with a smartphone.

The certificate remains the property of Intertek, to whom it must be returned upon request.

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