



CERTIFICATE OF PRODUCT SAFETY		
<p>This document contains health and environmental information to support customer in need for such information for their applications and safety, health and environmental management.</p>		
<p><u>SECTION 1 – PRODUCT INFORMATION</u></p> <p style="text-align: center;">Rubidium Frequency Standard</p> <p>It applies to all company product types and options, including MCFRS, LPFRS, LPRO, LTCRO, HPFRS, RAFS, RMO, SRO, SXO, PICOTIME, etc. (hereinafter referred to as “Product”)</p>		
<p><u>SECTION 2 – HAZARD IDENTIFICATION</u></p> <p>The product contains non-hazardous radioactive material defined as Rb 87</p> <p><u>Location:</u> The product, called Rubidium Oscillator, is composed of an assembly of hermetically sealed glass rubidium lamp and cell, which contains less than 1.3 mg of mildly radioactive Rb 87. Total activity level of the final product is constantly less than $1.6 \times 10^{-4} \mu\text{Ci}$ (= microcurie) or 6 Bq, which is 1'000'000 times inferior to the legal authorized level (for the worst case of ingestion).</p> <p><u>Reference:</u> National Safety & Health Organisation; International Commission on Radiological Protection, Oak Ridge (ICRP 61), Febr. 1993</p>		
<p><u>SECTION 3 - FIRE AND EXPLOSION HAZARDS</u></p> <p>There is no special danger for human or environment when the product is exposed to fire or explosion. Use usual fire-fighting procedures.</p>		
<p><u>SECTION 4 – ECOLOGICAL INFORMATION</u></p> <p><u>Waste disposal method:</u> Eliminate the product according to local regulation for small electrical devices.</p>		
<p><u>SECTION 5 – HANDLING, STORAGE AND TRANSPORT</u></p> <p>The product contains non-hazardous materials and items are within the acceptance limitation. It does not require any safety handling and/or shipping precautions.</p>		
<p>TECHNICAL DIRECTOR</p> <p>Pascal Rochat</p>	<p>PA/QA MANAGER</p>  <p>Hanka Ruedin</p>	<p>Date</p> <p>June 6, 2003</p>