



Saft Specialty Battery Group

To whom it may concern

Poitiers, September 28th 2015

Interchangeability of LS14250, LS14500 and LS17500 cells manufactured by Saft in its factories located in France, UK, China

As part of its Li-SOCl₂ primary lithium cell range marketed under the LS designation, the LS14250 (1/2AA size), the LS 14500 (AA size) and the LS 17500 (A size) cells can be manufactured by Saft at the following locations:

- Saft Poitiers, France
- Saft South Shields, UK
- Saft Zhuhai, China

In order to support the global organization of its customers and in order to secure the supply chain of its customers by leveraging on Saft's redundant industrial lines, the 1/2AA and AA designs from Saft South Shields and from Saft Zhuhai were redesigned in 2009 so as to offer the same performances and equivalent mechanical interfaces as the reference cell designs from Saft Poitiers. More recently, the LS 17500 cell was qualified at Saft South Shields and at Saft Zhuhai in accordance with Saft's quality procedures.


Since that time, the LS 14250, the LS 14500 and the LS 17500 cells from Saft Poitiers, from Saft South Shields and from Saft Zhuhai can be considered as interchangeable products. In particular, it is confirmed that for a given cell size:

- All cells benefit from the latest state of the art,
- All cells rely on the same electrochemistry (i.e. Li-SOCl₂ technology with bobbin construction),
- All cells offer the same characteristics and share the same product data sheet or standard specification,
- All cells comply with the external dimensions provided in Saft's data sheets,
- All cells are qualified to the same safety standards (e.g. UL1642, IEC60079-11) and comply with the same regulations (ie. UN, EU Battery Directive, REACH, RoHS II),
- All cells rely on the same electrolyte and on the same grade of mechanical components (ie. glass-to-metal seal, stainless steel container, hermetic closing of cells),

- All cells are manufactured in accordance with Saft's highest quality standards for reproducibility and for traceability, and in accordance with Saft's proprietary industrial processes,
- The manufacturing location does not affect contracted warranties or terms and conditions,
- Saft provide the same technical and quality support, in accordance with its general support practices.

Therefore, despite minor differences that can be observed between cells (e.g. finishing of cell positive terminal, capacity restored under high continuous discharge currents beyond the typical application rates), the cells from Saft Poitiers, Saft South Shields and Saft Zhuhai are considered to offer equivalent form, fit and function in the long-life applications for which they are designed for. When not specified, the performance predictions communicated by Saft such as lifetime calculations can be considered applicable whatever the place of manufacturing of the cells.

We remain at your disposal, would you need any further support on this topic.
Sincerely,



Nicolas Paquin
Marketing / Product Manager