Catarina Viegas

TERRA SIGILLATA IMPORTS IN SALACIA (ALCÁCER DO SAL, PORTUGAL)

Introduction

Alcácer do Sal is the Roman town of Salacia, located in the province of Lusitania, in the Sado estuary. (fig. 1)

Referring to the most important oppida along the today Portuguese coast, south from Olisipo (Lisbon), Pliny the Elder mentions, in its Historia Naturalis, Salacia (today Alcácer do Sal), Mirobriga (Chãos Salgados?), Ossonoba (Faro), Balsa (Torre de Ares-Tavira) and Myrtilis (Mértola).1 The geographic position of Salacia Urbs Imperatoria, in the Sado estuary, made it a strategic center both in the maritime and river bourn trade but also concerning the ancient road network.

Exploration of maritime resources was a reality and the Sado estuary landscape is marked by the presence of various amphorae kiln sites as well as sites related to the production of fish sauces of which the best known corresponds to the complex of Tróia, which is just about 45 km away from the Roman town of Salacia. The hinterland is also punctuated by the presence of villae, where agriculture would have been developed and cattle would have been raised.

Despite several archaeological works that have taken place, the information on the topography of the ancient town is very limited. The hill where the medieval castle was built must have been the location of the pre-Roman settlement and also the Roman town.

The terra sigillata studied was found in different areas – in the medieval Castle, the location of the Roman town and the necropolis area – and was compiled considering the informations that had already been published, as well as the unpublished data.

The area of the Senhor dos Mártires necropolis was first excavated in the end of the 19th century and is well known for the impressive series of Greek vases. Excavations took place in the area of the medieval Castle of Alcácer do Sal since the late seventies of the 20th century and were promoted by the Archaeological Museum of Setúbal. They have shown the site’s wide chronological range from the Iron Ages until the Roman Imperatoria Salacia.2 Between 1993 and 1997 preventive archaeological works concentrated in the area of the 16th century Convent of Our Lady of Aracoeli due to its transformation into a pousada (inn). The monograph about these excavations hasn’t been published yet, but parts of the structures identified

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1 Plinio IV.35,116; A. Guerra, Plínio-o-Velho e a Lusitânia (Lisboa 1995).
2 Silva et al. 1980/81, 149-218.
have been preserved and can be seen in the crypt open to the public. Archaeological works undertaken by the municipality and directed by J. C. Faria also identified the possible area of the forum near the Santa Maria Church.\textsuperscript{3}

### Methodology

Our contribution to the study of terra sigillata imports in Alcácer do Sal (Salacia) is based on the systematic bibliographic collection of all disperse references on the subject that are synthesized infra, and on the direct observation and handling of about 80% of the known terra sigillata from this town. The examination of the sigillata took place in the local archaeology center in Alcácer do Sal and also at the National Archaeology Museum (NAM) in Lisbon, where the material from the ancient excavations on the Roman (Azinhaga do Senhor dos Mártires) and Iron Age necropolis (Olival do Senhor dos Mártires) is deposited. At the local museum we were given the already selected collection of sigillata fragments while at the NAM we had access to the whole group of materials deposited there. All the information was compiled into a database allowing the quantification of 1370 fragments and 468 MNV of different categories of terra sigillata: Italian type sigillata (ITS); South Gaulish sigillata (SGS), Hispanic sigillata (HS), African Red Slip Ware A, C and D (ARSA, ARSC, ARSD), and also Late Hispanic sigillata (LHS).

Despite the different sampling conditions we agree that the systematic analysis of the terra sigillata assemblage is relevant for the understanding of the patterns and rhythms of imports to the town of Salacia and contributes to the knowledge of the Romanization process of the Sado valley.

### The study of the terra sigillata of Alcácer do Sal: an overview

First references to the terra sigillata from Salacia date back to the 19th century when the founder of the Archaeology National Museum (in Lisbon), J. Leite de Vasconcellos collected a few fragments for the museum. In his study of potters’ stamps in terra sigillata, M. B. Oleiro included also six examples from Alcácer do Sal.\textsuperscript{4}

In 1971, A. Alarcão published the state of the art in Italian type sigillata in Portugal collecting information from the local museums and defining the main pattern of imports of this type of sigillata to the region adding another eight stamps.\textsuperscript{5} It is interesting that precisely these 14 stamps, presented by A. Alarcão, are enlisted in the revised edition of OCK, concerning Alcácer do Sal.

Construction works undertook in the Castle to build the water deposit resulted in the removal of large quantities of soil without proper archaeological survey but it was possible to recover more than one thousand fragments of terra sigillata.\textsuperscript{6} Although referring mainly to the potters’ stamps, in that study the proportions of the different categories of terra sigillata reveal that 40% belong to the Hispanic productions.\textsuperscript{7} Following the previous interventions, the local museum in Setúbal was responsible for the archaeological survey that took place in the Castle.\textsuperscript{8} This excavations helped to emphasize the vast diachrony of the site dating back to the 7th–6th century BC, but the amount of terra sigillata recovered was not so large compared to what had been known previously. An important result was that the presence of ARS A (forms, H8A, 3B and 27) was then stated for the first time.\textsuperscript{9}

Apart from other studies and the sporadic publishing of more potters’ stamps from different areas of the town,\textsuperscript{10} in 1985 the same author wrote a paper reflecting about the evolution of terra sigillata imports to Alcácer do Sal considering the site was the most relevant importation port of the western Iberian coast for Italian type sigillata of the earliest phases.\textsuperscript{11} He also pointed to a relatively early decline of the town dated to the end of the Augustus reign, because the number of South Gaulish and Hispanic potters’ stamps is much lower compared to the Italian ones.\textsuperscript{12}

Since 1985 the publications of other sigillata fragments, mainly potters’ stamps, have continued on an intermittent basis, as seen in 1987, with the presentation of another 37 stamps\textsuperscript{13} and later with a few other examples collected at the west side of the Castle\textsuperscript{14} and the Roman pottery from the S. Miguel area.\textsuperscript{15}

\begin{table}
\centering
\begin{tabular}{|l|c|c|}
\hline
 & MNV & \% MNV \\
\hline
Eastern Sigillata A & 2 & 0.4 \\
Italian type sigillata & 293 & 62.7 \\
South Gaulish sigillata & 119 & 25.4 \\
Hispanic sigillata & 41 & 8.8 \\
African Red Slip ware A & 7 & 1.5 \\
African Red Slip ware C & 3 & 0.6 \\
African Red Slip ware D & 2 & 0.4 \\
Late Hispanic Sigillata & 1 & 0.2 \\
Total & 468 & 100 \\
\hline
\end{tabular}
\caption{Table with percentual distribution of terra sigillata from Alcácer do Sal (MNV).}
\end{table}

\textsuperscript{3} J. C. Faria, Alcácer do Sal ao tempo dos romanos (Lisboa 2002).
\textsuperscript{8} Ibid. 147.
\textsuperscript{9} Silva et al., 1980/81, 149–218.
\textsuperscript{10} Ibid. 192 Fig. 21,265–268.
\textsuperscript{11} A. M. D. Diogo, Mais algumas marcas de T. S. Itálica de Alcácer do Sal. Arqueologia 6, 1982, 82–86.
\textsuperscript{12} Id., Algumas notas sobre a terra sigillata em território português. Pyreneae 21, 1985, 141.
\textsuperscript{13} Ibid. 142
\textsuperscript{14} Faria/Ferreira/Diogo 1987.
\textsuperscript{15} Sepúlveda/Faria/Faria 2000, 119–150.
\textsuperscript{16} Sepúlveda/Ferreira/Mata 2008.
Terra sigillata from Alcácer do Sal: trends and pattern of imports

One of the first conclusions of this study was that most of the imports reached Salacia during the High Empire, but rare fragments of ARS D and late Hispanic sigillata testify a quite restricted occupation in the Late Roman period (fig. 2).

The presence of Eastern sigillata A (ESA) was now confirmed in Alcácer do Sal with few examples of the form Hayes 3 and a previously published fragment that should be classified as form Hayes 11 dated to the second half of the 1st century BC. Apart from Santarém, where it was first identified, some other finding spots in southern Lusitana have been attributed lately to the distribution map of ESA in the West, e. g. Faro.

As said before, considering the distribution of the different categories of sigillata it is clear that the most abundant is the Italian type sigillata (ITS), which represents 62.7% of the whole assemblage (figs. 3–4). This is quite a high percentage considering the other sites that can be compared to Salacia, either urban or rural. In fact the proportion of Italian sigillata known from western Lusitanian sites varies from 37.47% in the Roman town of Santarém to a mere 0.55% in the Roman villa at São Cucufate.

Concerning ITS it is also possible to compare its import pattern and chronological distribution considering the plain forms and the potters’ stamps with the data recovered in Lisbon (Praça da Figueira) and in Santarém. A closer observation of the forms of ITS demonstrates that despite the Haltern ‘service II’ (represented by both Conspl. 22 cup and Conspl. 18 and 20 plates) being very abundant, the forms that belong to Haltern ‘service I’ (Conspl. 12 and 14) are more frequent in Alcácer do Sal than in Lisbon or Santarém. This indicates clearly an earlier importation of this sigillata to the Sado valley, and particularly to the town of Salacia, when compared to the available data of other sites. Another feature that seem to differentiate this site from others is the quantity of decorated chalices/decorated forms that are more common in this assemblage than at the other sites mentioned. It must also be stressed that the ITS from Lisbon that has been studied corresponds to an area of the town, the necropolis in Praça da Figueira, which may not be representative for the earlier occupation of the town.

Potters’ stamps provide useful information on the sources of supply of ITS to Salacia. The classification of the stamps according to OCK has demonstrated that Arezzo is the major production center although Pisa also presents significant percentages (fig. 3–5). Potters from the Po Valley, Pozzuoli and Central Italy are also represented. Most of the potters that we had the possibility to study had already been identified in Salacia. Among them there is a quite interesting potter’s stamp where we read Communi/C. Mert, which we had problems to classify according to OCK. The closest example is OCK

Fig. 3. Histogram with the distribution of forms of ITS in Alcácer do Sal comparing to Santarém and Lisbon.
603 of Communis that has only three pieces, all of them in planta pedis. We believe that this is the potter’s stamp of the slave C. Mert of Communis and possibly this could be one of the first examples known.

According to our database there are five radial stamps, which is another relevant chronological element in favour of an earlier dating of the assemblage when compared with other towns where these stamps barely occur or are represented by only one stamp.

Late Italian sigillata imports had already been recognized in potters’ stamps such as Sextus Murrius\textsuperscript{22}, and C.P.P.\textsuperscript{23} and in a barbotine decorated fragment possibly form Consp. 36 or 43 in the assemblage now studied.

**South Gaulish (SG) imports** are quite well represented: 25.4\% of the sigillata identified can be attributed to La Graufesenque. Most of the forms (87\%) are the usual set of cup/plate (Drag. 24/25, Drag. 27, Drag. 15/17, Drag.18) (fig. 6). The fine quality of the “Glanztonfilm” on most of the examples, together with the presence of rare pieces of Drag. 35/36 seems to indicate that most of the Gaulish imports went to Salacia during the Claudi-an/Neronian period. Decorated forms are dominated by Drag 29 and 37 in equal quantities, but both the decorative motifs and the composition of the decorations, show a predominance of the earlier phases of the production of La Graufesenque.

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\textsuperscript{22} ALARCÃO 1971 nr. 20

\textsuperscript{23} Ibid. nr. 38; Faria/Ferreira/Diogo 1987 nr. 14
From the 119 pieces of South Gaulish sigillata only three are marbled (two of unidentified form and one Drag. 18). In the Roman town of Conimbriga or in Santarém also only few marbled sherds have been identified in the vast amount of the South Gaulish terra sigillata imports. This is contrary to what I have recently observed in the Algarve Roman towns where marbled sigillata is much more frequent. In

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Fig. 6. South Gaulish and Hispanic sigillata from Alcácer do Sal.
fact, resulting from these observations and considering that the manufacture of marbled sigillata occurred throughout the period of manufacture of La Graufesenque (from the Tiberian period until the first decades of the 2nd century)\textsuperscript{27}, it is my opinion that these differences can be explained by the later chronology of the assemblages at the Algarve sites.

Hispanic sigillata (HS) is represented by Baetican, Andújar productions and those from the Tarragonensis, located in the Tricio region, and is 8.8% of the total of the materials. The most common form is the dish Drag. 15/17, followed by the decorated form Drag. 37. The decorated form Drag. 37 is also represented and two specially well preserved pieces of Drag. 29 and 30 show decorative motifs that can be related to the Tricio (northern) Hispanic production center (fig. 5). The so-called Peñaflor sigillata was also included in the category of Hispanic sigillata. In the material that we have compiled in the local deposit there weren’t any examples of Peñaflor Hispanic sigillata. That might be explained by the fact that this category of sigillata is more difficult to identify due to its characteristics such as the clay based engobe (from orange to brownish in colour), that covers dishes and cups in a not very homogeneous way. This category of sigillata was identified in the Alcacer do Sal, specifically in the S. Miguel area and is attested just by two forms: a Martinez IB and a cup Drag. 27. The decorated form Drag. 37 is also represented and two specially well preserved pieces of Drag. 29 and 30 show decorative motifs that can be related to the Tricio (northern) Hispanic production center (fig. 5).

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Fig. 7. ARS D and late Hispanic sigillata from Alcacer do Sal.
Martinez IIIB. Apart from other southern sites, this type of Hispanic sigillata, originated in the Baetican province, had already been identified in the region at the site of Abul (in the Sado margins and close to Alcácer) in a Augustan-Tibetian deposit, where the amphorae production was a reality from the Claudian period until the 5th century AD. To the north, the distribution of this type of sigillata reaches Olisipo (Lisbon), although in reduced numbers.

African red slip ware (ARS) is a minority among Alcácer do Sal sigillata, just represented by 2.5% of the total of the terra sigillata identified. The earliest forms of ARS are the forms H. 3, 8 and 27 that we have already mentioned. Latest examples of African imports recorded in Alcácer are dated to the beginning of the 5th century AD proved by the dish Hayes 59B (fig. 7) as well as a fragment decorated with chevron motifs and concentric circles that can be attributed to Hayes style A (ii) which is compatible with the chronology mentioned before. Together with the exceptionally well-preserved Late Hispanic form Drag 37 (late variant) these are the last imports in Alcácer do Sal. The origin of such import must be found in the Douro or the Ebro Valley in the northern Iberian Peninsula (fig. 7).

Final remarks

The study of the whole assemblage of terra sigillata known from Alcácer do Sal shows a general decrease in terra sigillata imports in the late 1st century and in the 2nd century, which is a trend that can also be seen in other towns in Lusitania. Percentual distribution of terra sigillata in Alcácer do Sal when compared to Miróbriga, Tróia or Santarém shows that this Roman town follows the general pattern observed in most of the sites in the region, reflecting their economic evolution. Figure 8 shows the percentual distribution of terra sigillata in Alcácer, Santarém, Miróbriga and Tróia with the slow rise of imports during the first decades of the 1st century (with the import of Italian type sigillata) and the strong presence of South Gaulish sigillata that represents the moment of the economic floruit that is generally associated with the second half of the 1st century.

However, as was mentioned before, in Alcácer do Sal and Santarém this floruit seems to have been reached earlier, because of the higher percentage of Italian type sigillata. Comparing the trend and pattern of imports of Italian type sigillata we have also stressed that these are earlier than what was observed in Lisbon or Santarém.

The study of terra sigillata from Alcácer do Sal indicates that major transformations must have occurred in the Roman town from 2nd century onwards. Hispanic sigillata imports are only 8.8% of the whole sigillata. Late Roman imports from the 3rd to the 5th century (Late Hispanic and ARS) are quite rare although the surrounding region, both rural villae and amphorae kiln sites, shows great vitality in this period.

Generally, from the Flavian period onwards, the Roman towns show a decrease in the imports that corresponds to the arrival of the Hispanic and the beginning of African sigillata (ARS). Despite this, the important fish sauce “industrial” center of Tróia shows a divergent evolution with ARS D being the most abundant category of sigillata. Both the data in the study by R. Étienne, Y. Makaroun and F. Mayet and in the recent monograph by P. Magalhães confirm this tendency showing that most of the imports took place in the early phases of the production from the first half/end of the 4th until the middle of the 5th century AD.

On the other hand, the consumption pattern of food stuff transported in amphora from different areas in Alcácer do Sal castle shows a chronological distribution similar to what was observed with terra sigillata. From a total of 190 pieces, there are only few examples dated to the Roman Republican period and most of the amphora date to the 1st and 2nd centuries AD. There is a clear majority of pieces which were used to supply fish sauce products of local origin (Dressel 14) and a few examples from Baetica.

In the Late Roman period the occupation in the upper area of the medieval Castle must have been very restricted and one should think about the possibility that some functions of the Roman town could have been relocated to the area near the river port. Unfortunately this area hasn’t been identified so far, which leaves us with the image of a nearly abandoned town in the end of 2nd century.

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25 SEPULVEDA/FERREIRA/Maternity 2008, 280–281 Est. IV or. 10 e 7.
28 SILVA et al. 1980/81, 192 Fig. 21.
29 Hayes 1972, 219.
30 Quaresma 2012.
32 VIEGAS 2003.
33 Ibid.
34 Quaresma 2012, 343 table 23.
37 MAGALHÃES 2010.
### Table

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### MNV (Minimum Number of Vessels)

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**Fig. 8.** Percentual distribution of terra sigillata in Alcácer do Sal, Santarém, Miróbriga and Tróia. Total Minimum Number of Vessels (MNV) for each site is: Alcácer do Sal 468; Santarém 803; Tróia 2478; Miróbriga 2476.
Catarina Viegas, Terra Sigillata Imports in Salacia (Alcácer do Sal, Portugal)

Bibliography

Alarcão 1971

Étienne/Makaroun/Mayet 1994
R. Étienne/Y. Makaroun/F. Mayet, Un grand complexe industriel à Tróia (Portugal) (Paris 1994)

Faria/Ferreira/Diogo 1987

Hayes 1972
J. W. Hayes, Late Roman Pottery (London 1972).

Magalhães 2010

Ock

Quaresma 2012
J. C. Quaresma, Economia antiga a partir de um centro de consumo lusitano. Terra sigillata e cerâmica africana de cozinha em Chãos Salgados (Mirobriga ?). Estud. e Mem. 4 (Lisbon 2012).

Sepúlveda/Faria/Faria 2000

Sepúlveda/Ferreira/Mata 2008

Silva et al. 1980/81

Viegas 2003