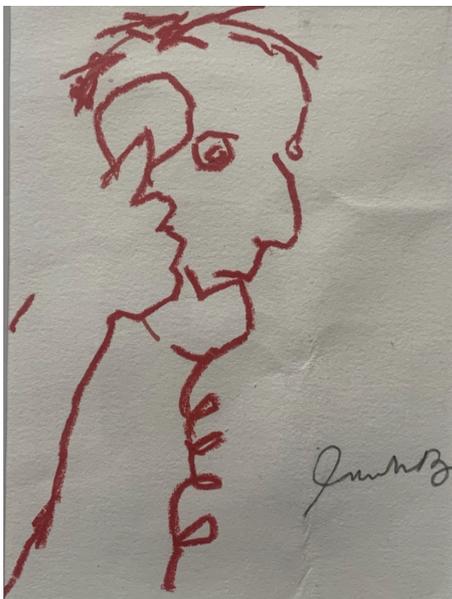


Document type: Basic Report.
Case ref. Number: 0231-07-2023
Case assigned by: Roi S.
Mode of receipt: Online request / website form
To, Mr. [HIDDEN]
Address: Not-disclosed

1 Description of the Documents:

The content of this report is made by **Aithenticate.art** based on the documents described below.

1. RGB Photo *Q1drawing.jpg* of resolution 3024×4022, provided by the customer and showing the drawing *Man on Phone*, made using Red Oilstick on woven paper and signed using graphite on the bottom right of the paper.
2. RGB png images of a Estate of Jean-Michel Basquiat COA and documentation of other drawings from the same collection with their respective COA.
3. Collection of verified authentic signatures from Jean-Michel Basquiat, referred as *Admitted Signatures* and property of Aithenticate.art
4. RGB png images of *skilled forgeries*. The *skilled forgeries* used for validation are made by Aithenticate.art subject the same requirements as the *Admitted Signatures*. The selected 15 signatures are made with similar medium and extracted using the same technique as with **Q1.jpg**.



(a) Signed artwork titled *Man On Phone* (presumed).



(b) Questioned signature **Q1**.

Figure 1: Images of (a) drawing *Man On Phone*, and (b) Extracted signature, labeled **Q1**.

1.1 Assignment

The subject of study for the Basic is the signature on the drawing, made using graphite.

1. To prove that the area of inscription of the signature **Q1 is free of alterations**, by using digital inspection techniques.
2. To validate the resolution and pixel ranges on the **areas of inscription** of the signature Q1, *Admitted Signatures* and *Skilled Forgeries* as **identical** by our Artificial Intelligence (AI) and other digital comparison techniques.
3. To find out whether the AI model determine that the Questioned Signature **Q1** and the *Admitted Signatures* have been handwritten by the same person, and compare the feature vector curves.

1.2 Declaration of Standards

For this work, we are working subject to two international standards:

1. Scientific Working Group for Forensic Document Examination (SWGDOC)'s **Standard for Examination of Handwritten Items** for examinations and comparisons involving handwritten items and related procedures using side by side comparison methods.
2. **ANSI/ASB Standard 35: Standard for the Examination of Documents for Alterations** to ensure that there is no alteration of the document by physical, chemical, electronic, or mechanical means, or a combination thereof.

2 Artwork description and provenance

The submitted artwork is a commanding visual piece, representing a man engaged in a phone call, with the phone cord noticeably dangling. The figure is depicted using a red oil stick on woven paper, creating an impactful, vivid image. This medium was indeed often chosen by Basquiat for the color intensity and textural quality it provided, aligning with his tactile artistic style.

The figure's composition conveys an urgent immediacy, encapsulating a potent moment of connection. The dynamics of the line work display a powerful yet controlled fluidity, indicating a confident hand behind the depiction.

The signature on the artwork is in graphite, creating an interesting contrast with the vibrant red oil stick used for the main depiction.

The artwork was reportedly purchased from a private collector who acquired it as a gift in the 1980s. The collector had a variety of items, ranging from vintage Tiffany items and Tumi luggage to gifts from Queen Elizabeth. Though they did not possess anything extravagant from Basquiat, such as one-of-a-kind paintings, they held numbered lithographs and crayon drawings from the artist.

The artwork comes with a Certificate of Authenticity (COA) from the Estate of Basquiat and Gerard Basquiat, the artist's father. A picture of the COA is included on Figure 2.

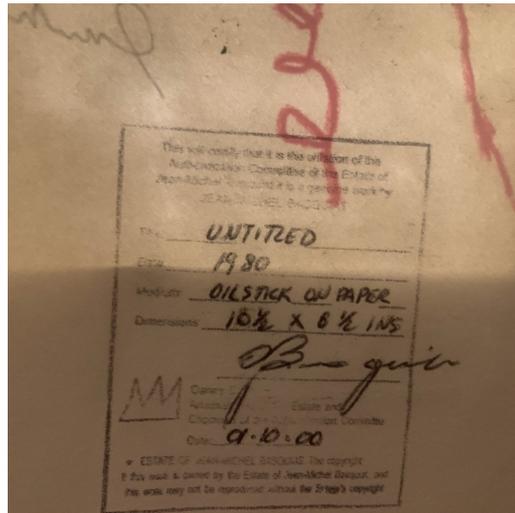


Figure 2: COA from the Estate of Jean-Michel Basquiat, on the back side of the artwork.

3 A.I. Signature Authentication

We run our AI based mathematical model trained on digitized images of the verified authentic *Admitted Signatures* and *Skilled Forgeries*.

The diagram of the neural networks is shown on Figure 5. In Figure 4 we can see the resulting heatmap.



Our AI model classified 98% of the control signatures correctly during the experiment run, and classified **Q1** as non-authentic. Therefore the verdict is, **The A.I. model classifies Q1 as NON-AUTHENTIC, while obtaining an accuracy against the control dataset of 98%.**

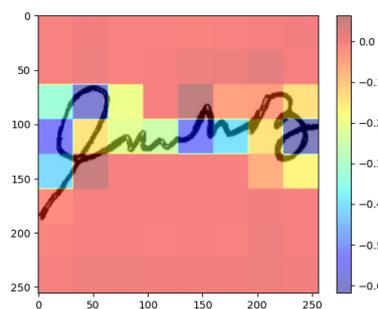


Figure 3: Heatmap for Q1.

Figure 4: The heatmap for **Q1**, highlighting on blue the regions that were resourced the most by the A.I. during the classification process.



Heatmap on the signature: According to the AI model, the strokes in Q that the AI used the most to prove the authenticity are located all along the signature. The regions which are resourced the most by the AI for the verdict are the ones highlighted on blue tones.

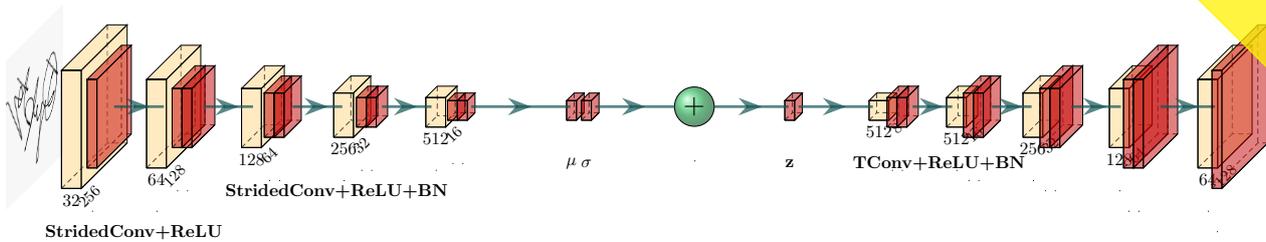


Figure 5: A diagram of the architecture for our AI model for Signature Authentication.

4 Conclusion

Our AI-based analysis, trained on an extensive dataset of Basquiat’s verified signatures, provides strong evidence suggesting that the signature on this artwork is non-authentic. With a robust 98% accuracy on our control dataset, our findings indicate a notable discrepancy despite the accompanying Certificate of Authenticity from the Estate of Basquiat and Gerard Basquiat.

However, it is important to consider that the artwork itself emanates significant aesthetic appeal. The arresting depiction of a man on a phone, realized in vibrant red oil stick, together with the dynamic composition, imbue it with compelling visual interest. Regardless of the authenticity concerns in attributing this piece to Basquiat, the artwork stands out as a valuable decorative addition to any art collection due to its unique aesthetic charm.

5 Disclaimer / Legal note

The present report by Aithenticate.art is the result of the digital analysis and description of the images of the signatures submitted by the customer, using mathematical models. This analysis has been done with Diligence and Good Faith, but Aithenticate.art does not provide any warranty with the correctness of the sentences in this report with respect to the authenticity, or guarantees any error-free operation of Image Analysis Software, including the Artificial Intelligence (AI) model used. To the extent permitted by law, all warranty and liability of Aithenticate.art is hereby excluded, including, but not limited to, liability for financial damage in connection with the use of the present report document and the confidence in it, any decisions taken, purchases, sales, insurance, security, display or other dispositions relying upon the present report, damage or loss profits due to incorrect statements in the report. For further information, please refer to our [Terms and Conditions](#).