

UNITED STATESSECURITIES AND EXCHANGE COMMISSIONWashington, D.C. 20549 Form 6-K REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934. For the month of December 2024. Commission File Number: 001-40552 NYXOAH SA (Translation of registrant's name into English). Rue Edouard Belin 12, 1435 Mont-Saint-Guibert, Belgium (Address of principal executive office). Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 20-Fx. Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1). Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders. Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7). Note: Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's home country), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR. On November 27, 2024, Nyxoah SA (the Company) issued a press release, a copy of which is attached hereto as Exhibit 99.1. The information in the attached Exhibit 99.1 is being furnished and shall not be deemed filed for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the Exchange Act), or otherwise subject to the liabilities of that Section, nor shall it be deemed incorporated by reference in any filing made by the Company under the Securities Act of 1933, as amended, or the Exchange Act, except as otherwise set forth herein or as shall be expressly set forth by specific reference in such a filing. Exhibits 99.1 Press Release, dated November 27, 2024. SIGNATURES. Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized. NYXOAH SA Date: December 2, 2024 By: /s/ John Landry Name: John Landry Title: Chief Financial Officer Exhibit 99.1. REGULATED INFORMATION. Information on the total number of voting rights and shares. Mont-Saint-Guibert (Belgium), November 27, 2024, 10:30 pm CET / 4:30 pm ET. In accordance with article 15 of the Law of 2 May 2007 on the disclosure of large shareholdings, Nyxoah SA (Euronext Brussels and Nasdaq: NYXH) publishes the below information following the issue of new shares. Share capital: EUR 6,429,682.56. Total number of securities carrying voting rights: 37,427,265 (all ordinary shares). Total number of voting rights (= denominator): 37,427,265 (all relating to ordinary shares). Number of rights to subscribe to securities carrying voting rights not yet issued: 2,296,194 (all granted subscription rights; this number excludes 346,431 subscription rights that were issued but not yet granted). *