CaixaBank S.A. (Group)

Creditreform ^CRating

Long-Term Issuer Rating: BBB+ Outlook: stable

Short-Term Rating: L3

Preferred Sen. Unsec. Debt: BBB Non-Preferred Sen. Unsec. Debt: BBB-Tier 2 Capital: BB AT1 Capital: BB- 08 July 2019

Rating Action:

Creditreform Rating upgrades CaixaBank S.A. (Group) long-term issuer rating by one notch to 'BBB+' (Outlook: stable). In addition, our ratings of the Group's bank capital and debt instruments are affected by the change in our rating methodology.

Creditreform Rating (CRA) has upgraded CaixaBank S.A. (Group) long-term issuer rating to 'BBB+' from 'BBB' and affirms the short-term rating at 'L3'. The rating outlook is stable.

At the same time, we upgrade the rating of the Tier 2 capital to 'BB' from 'BB-' and the rating of AT1 capital to 'BB-' from 'B+' of CaixaBank S.A. (Group). However, adjustments in our rating methodology for bank capital and debt instruments occurred because of legislative alterations in the European Union. As a result, CRA reclassifies its rating of senior unsecured debt to preferred senior unsecured debt and upgrades it to 'BBB' from 'BBB-'. In addition, CRA assigns the non-preferred senior unsecured debt, which ranks junior to preferred senior unsecured debt, the following rating: 'BBB-'.

Please find a complete list of rating actions regarding the bank at the end of this rating action paper.

Key Rating Drivers

CRA has revised the rating of CaixaBank S.A. (Group) - in the following referred to as CaixaBank - and its bank capital and debt instruments as a result of our updating process for the following reasons:

- Continues reduction of its non-performing exposures
- Sustainable improvement of its earnings figures
- Adequate but below peer group average capitalization
- Ongoing objective to improve its asset-quality and profitability according to its 2019-2021 Strategic Plan

Analysts

Daniel Keller d.keller@creditreform-rating.de Lead-Analyst

Philipp J. Beckmann p.beckmann@creditreform-rating.de Senior Analyst

Neuss, Germany

Rating Rationale

CaixaBank's credit rating upgrade was primarily driven by its improved and sustainable profitability and the considerably improvement of its asset quality.

Profitability

The bank's ongoing increase in its profitability over the last years is striking. Since 2015, Caixa-Bank steadily improved its main earnings figures ROA, ROE and RORWA. In addition, the bank revealed declining cost of funds. However, CaixaBank's cost-to-income ratios remain average.

Moreover, according to CaixaBank`s '2019-2021 Strategic Plan' the bank targets to improve its asset quality by reducing its non-strategic assets while increasing its profitability by lowering its operating costs.

For details regarding the banks profitability, we refer to figure 2 and figure 3 in the appendix.

CaixaBank S.A. (Group)

Creditreform C Rating

Asset Situation and Asset Quality

CaixaBank´s non-performing exposures reduced considerably by about 3 bn € year-over-year. The banks NPL ratio (stage 3 loans over net loans to customers) dropped from 6.3% to 4.9%. Thus, the banks still displays an above average NPL ratio, while catching up to the average of the peer group with its ratio. In addition, according to CaixaBank`s 2019-2021 Strategic Plan the banks aims to further reduce its bad loans to achieve an NPL ratio below 3% in 2021.

By contrast, the banks RWA ratio is still in line with the average of the peer group despite slight improvements.

For details regarding CaixaBank`s asset situation and asset quality, we refer to figure 4 and figure 5 in the appendix.

Refinancing and Capital Quality

CaixaBank exhibits below average regulatory capital ratios, however, the bank targets to improve in it capitalization and expects to reach a fully loaded CET1 ratio by around 12% at yearend 2019. By contrast, the banks total equity to total assets ratio as well as its leverage ratio are in line with the average of the peer group. Nonetheless, the banks capitalization leaves room for improvements.

The ratings of CaixaBank's bank capital and debt instruments are affected due to our rating mechanism and the recent change in our methodology.

For details regarding the banks refinancing and capital quality, we refer to figure 6 and figure 7 in the appendix.

Liquidity

In our opinion, the overall liquidity situation of the bank is satisfactory. Noteworthy is the banks stable and balanced loan-to-deposit ratio as well as its relatively high liquidity coverage ratio.

For details regarding the banks liquidity, we refer to figure 8 in the appendix.

Outlook

We consider the outlook of CaixaBank`s long-term issuer rating and its bank capital and debt instruments as stable. This reflects our view that the banks is likely to keep being profitable in the upcoming years while still have to manage its high stock of non-performing exposures. However, we will observe if CaixaBank is able to meet its targets according to its '2019-2021 Strategic Plan'.

In addition, we assume a stable political and economic environment in CaixaBank`s markets of operations, especially in the Catalan region.

Scenario Analysis

In a scenario analysis, CaixaBank's rating developed significantly better in the "best case" scenario and significantly worse in the "worst case" scenario. The ratings of bank capital and senior unsecured debt would behave similarly based on our rating mechanism. These ratings are especially sensitive to changes in total equity and to the bank capital and debt structure in general.

CaixaBank S.A. (Group)

Creditreform C Rating

We could further upgrade CaixaBank's long-term issuer credit rating and its bank capital and debt instruments if we see CaixaBank outperforming its targets according to its 'Strategic Plan 2019-2021'. In addition, a continuous improvement of the bank's asset quality and a considerable increase in its capitalization might lead to an upgrade.

By contrast, a downgrade of CaixaBank's long-term issuer credit rating and its bank capital and debt instruments is likely if we see that CaixaBank is not able to reach its targets according to its 'Strategic Plan 2019-2021'. In addition, a declining or not sustainable profitability, as well as problems in relations with the bank's projected reduction of its non-performing exposures might lead to a downgrade of the bank's long-term issuer rating and its bank capital and debt instruments.

CaixaBank S.A. (Group)

Creditreform C Rating

CRA's rating actions at a glance

CaixaBank S.A. (Group):

- Long-Term Issuer Rating upgraded to 'BBB+' from 'BBB', stable outlook
- Short-term rating affirmed at 'L3'
- Senior unsecured debt reclassified to preferred senior unsecured debt and upgraded to 'BBB' from 'BBB-'
- Non-preferred senior unsecured debt rated at 'BBB-'
- Tier 2 capital upgraded to 'BB' from 'BB-'
- AT1 capital upgraded to 'BB-' from 'B+'

CaixaBank S.A. (Group)

Creditreform C Rating

Ratings Detail

Bank ratings

The bank ratings are dependent on a host of quantitative and qualitative factors. An improvement in either sub-category may result in a higher rating score.

LT Issuer / Outlook / Short-Term BBB+ / stable / L3

Bank Capital and Debt Instruments Ratings

The ratings for bank capital and debt instruments are inter alia dependent on subordination and relative size of the instrument class, based on the long-term issuer rating of the bank.

Preferred senior unsecured debt (PSU):

Non-preferred senior unsecured debt (NPS):

BBB
Tier 2 (T2):

Additional Tier 1 (AT1):

BB-

Ratings Detail and History

Please consult our website www.creditreform-rating.de for additional information regarding the dates of publication.

Figure 1: Ratings Detail and History

| Bank Issuer Rating | Rating Date | Publication Date | Result |
|---|-------------------------------|--------------------------------|------------------------|
| Initialrating | 23.05.2018 | 04.06.2018 | BBB / stable / L3 |
| Rating Update | 08.07.2019 | 10.07.2019 | BBB+ / stable / L3 |
| | | | |
| Bank Capital and Debt Instruments | Rating Date | Publication Date | Result |
| Bank Capital and Debt Instruments Senior Unsecured / T2 / AT1 (Initial) | Rating Date 23.05.2018 | Publication Date 04.06.2018 | Result BBB- / BB- / B+ |

CaixaBank S.A. (Group)

Creditreform C Rating

Appendix

Figure 2: Group income statement | Source: eValueRate / CRA

| Income Statement | 2015 | 2016 | 2017 | % | 2018 |
|--|-----------|-----------|-----------|--------|-----------|
| Income (€000) | | | | | |
| Net Interest Income | 4.352.650 | 4.156.856 | 4.745.533 | +3,4 | 4.906.900 |
| Net Fee & Commission Income | 2.114.775 | 2.090.253 | 2.498.669 | +3,4 | 2.583.343 |
| Net Insurance Income | 214.496 | 310.501 | 471.625 | +16,7 | 550.503 |
| Net Trading Income | 863.728 | 849.141 | 282.843 | -1,7 | 277.976 |
| Equity Accounted Results | 375.135 | 628.518 | 526.153 | +57,0 | 825.963 |
| Dividends from Equity Instruments | 202.719 | 198.618 | 127.232 | +15,1 | 146.491 |
| Other Income | 515.336 | 436.667 | 583.105 | -74,0 | 151.894 |
| Operating Income | 8.638.839 | 8.670.554 | 9.235.160 | +2,3 | 9.443.070 |
| Expenses (€000) | | | | - | |
| Depreciation and Amortisation | 821.407 | 598.615 | 597.296 | -24,1 | 453.135 |
| Personnel Expense | 3.178.805 | 2.745.349 | 2.981.413 | -0,8 | 2.958.428 |
| Tech & Communications Expense | 301.940 | 301.010 | 358.214 | +23,6 | 442.748 |
| Marketing and Promotion Expense | 116.406 | 133.954 | 142.541 | +22,0 | 173.855 |
| Other Provisions | 422.315 | 486.532 | 761.648 | -42,0 | 441.611 |
| Other Expense | 1.423.450 | 1.560.874 | 1.796.154 | +2,0 | 1.831.363 |
| Operating Expense | 6.264.323 | 5.826.334 | 6.637.266 | -5,1 | 6.301.140 |
| Operating Profit & Impairment (€000) | | | | - | |
| Pre-impairment Operating Profit | 2.374.516 | 2.844.220 | 2.597.894 | +20,9 | 3.141.930 |
| Asset Writedowns | 1.359.163 | 519.138 | 501.730 | -62,9 | 186.224 |
| Net Income (€000) | | | | - | |
| Non-Recurring Revenue | i | ı | 1.819 | - | 1 |
| Non-Recurring Expense | 377.249 | 787.020 | - | - | 148.920 |
| Pre-tax Profit | 638.104 | 1.538.062 | 2.097.983 | +33,8 | 2.806.786 |
| Income Tax Expense | -180.758 | 482.183 | 377.628 | +88,5 | 711.859 |
| Discontinued Operations | -2.360 | -944 | -1.727 | > +100 | -54.619 |
| Net Profit | 816.502 | 1.054.935 | 1.718.628 | +18,7 | 2.040.308 |
| Attributable to minority interest (non-controlling interest) | 2.042 | 7.931 | 34.461 | +61,5 | 55.661 |
| Attributable to owners of the parent | 814.460 | 1.047.004 | 1.684.167 | +17,8 | 1.984.647 |

Figure 3: Group key earnings figures | Source: eValueRate / CRA

| Income Ratios (%) | 2015 | 2016 | 2017 | % | 2018 |
|---|-------|-------|-------|-------|-------|
| Cost Income Ratio (CIR) | 72,51 | 67,20 | 71,87 | -5,14 | 66,73 |
| Cost Income Ratio ex. Trading (CIRex) | 80,57 | 74,49 | 74,14 | -5,39 | 68,75 |
| Return on Assets (ROA) | 0,24 | 0,30 | 0,45 | +0,08 | 0,53 |
| Return on Equity (ROE) | 3,24 | 4,48 | 6,96 | +1,52 | 8,48 |
| Return on Assets before Taxes (ROAbT) | 0,19 | 0,44 | 0,55 | +0,18 | 0,73 |
| Return on Equity before Taxes (ROEbT) | 2,53 | 6,53 | 8,50 | +3,17 | 11,67 |
| Return on Risk-Weighted Assets (RORWA) | 0,57 | 0,78 | 1,15 | +0,24 | 1,40 |
| Return on Risk-Weighted Assets before Taxes (RORWAbT) | 0,45 | 1,14 | 1,41 | +0,51 | 1,92 |
| Net Interest Margin (NIM) | 1,72 | 1,60 | 1,45 | +0,30 | 1,75 |
| Pre-Impairment Operating Profit / Assets | 0,69 | 0,82 | 0,68 | +0,13 | 0,81 |
| Cost of Funds (COF) | 1,48 | 0,96 | 0,74 | -0,05 | 0,69 |
| Change in %Points | | | | | |

CaixaBank S.A. (Group)

Creditreform ⊆ Rating

Figure 4: Development of assets | Source: eValueRate / CRA

| Assets (€000) | 2015 | 2016 | 2017 | % | 2018 |
|---------------------------------------|-------------|-------------|-------------|--------|--------------|
| Cash and Balances with Central Banks | 6.615.172 | 13.259.957 | 20.160.318 | -4,9 | 19.163.213 |
| Net Loans to Banks | 6.649.545 | 6.741.354 | 7.374.035 | +2,4 | 7.550.115 |
| Net Loans to Customers | 202.896.200 | 200.338.444 | 216.418.160 | +0,9 | 218.294.660 |
| Total Securities | 73.036.837 | 79.175.515 | 92.049.159 | -56,1 | * 40.427.730 |
| Total Derivative Assets | 13.726.932 | 12.800.893 | 10.769.958 | +2,1 | 10.995.382 |
| Other Financial Assets | - | - | - | - | - |
| Financial Assets | 302.924.686 | 312.316.163 | 346.771.630 | -14,5 | 296.431.100 |
| Equity Accounted Investments | 9.673.694 | 6.420.710 | 6.224.425 | -37,7 | 3.878.906 |
| Other Investments | - | - | - | - | - |
| Insurance Assets | 391.225 | 344.144 | 275.495 | > +100 | * 61.688.347 |
| Non-current Assets & Discontinued Ops | 7.960.663 | 6.404.860 | 6.068.930 | -79,6 | 1.239.460 |
| Tangible and Intangible Assets | 9.964.907 | 10.124.260 | 10.285.417 | -4,0 | 9.869.502 |
| Tax Assets | 11.123.143 | 10.521.402 | 11.054.984 | +2,6 | 11.339.607 |
| Total Other Assets | 2.217.157 | 1.795.723 | 2.505.282 | -13,2 | 2.175.328 |
| Total Assets | 344.255.475 | 347.927.262 | 383.186.163 | +0,9 | 386.622.250 |

 $[\]ensuremath{^{*}}\xspace$ Discrepancy in comparison to the previous years due to accounting changes

Figure 5: Development of asset quality | Source: eValueRate / CRA

| Asset Ratios (%) | 2015 | 2016 | 2017 | % | 2018 |
|---|--------|-------|--------|--------|--------|
| Net Loans / Total Assets | 58,94 | 57,58 | 56,48 | -0,02 | 56,46 |
| Non-Performing Loans (NPL) / Net Loans to Customers | 8,18 | 7,16 | 6,37 | -1,45 | 4,92 |
| Impairments/ Net loans to customers (%) | 4,52 | 3,34 | 3,15 | -0,53 | 2,62 |
| Potential Problem Loans / NPL | 100,14 | 63,85 | 113,66 | +38,47 | 152,13 |
| Risk-Weighted Assets (RWA) / Total Assets | 41,63 | 38,76 | 38,87 | -1,07 | 37,80 |
| Non-Performing Loans / Risk-Weighted Assets | 11,59 | 10,64 | 9,25 | -1,91 | 7,34 |
| Net Write-offs / Net Loans to Customers | 0,82 | 0,23 | 0,36 | -0,30 | 0,06 |
| Net Write-offs / Risk-Weighted Assets | 1,16 | 0,35 | 0,52 | -0,44 | 0,09 |
| Impairments/ Impaired Loans (%) | 55,23 | 46,61 | 49,46 | +3,77 | 53,23 |
| Level 3 Assets / Total Assets | 0,34 | 0,23 | 0,75 | +0,81 | 1,56 |
| Change in %Points | | | • | • | • |

Figure 6: Development of refinancing and capital adequacy | Source: eValueRate / CRA

| Liabilities (€000) | 2015 | 2016 | 2017 | % | 2018 |
|--|-------------|-------------|-------------|-------|-------------|
| Total Deposits from Banks | 34.262.452 | 36.345.140 | 43.196.050 | -13,3 | 37.440.274 |
| Total Deposits from Customers | 186.469.781 | 190.930.684 | 211.849.059 | -0,8 | 210.199.908 |
| Total Debt | 35.037.842 | 28.605.754 | 30.662.795 | -3,3 | 29.642.210 |
| Derivative Liabilities | 12.467.975 | 12.004.957 | 10.063.472 | +5,9 | 10.652.729 |
| Securities Sold, not yet Purchased | - | - | - | - | - |
| Other Financial Liabilities | 2.789.945 | 2.873.432 | 4.174.857 | +33,6 | 5.576.181 |
| Total Financial Liabilities | 271.027.995 | 270.759.967 | 299.946.233 | -2,1 | 293.511.302 |
| Insurance Liabilities | 40.290.523 | 45.803.579 | 49.750.389 | +21,5 | 60.452.025 |
| Non-current Liabilities & Discontinued Ops | 79.059 | 86.039 | 82.141 | +0,1 | 82.260 |
| Tax Liabilities | 1.555.970 | 1.186.209 | 1.388.070 | -8,6 | 1.269.049 |
| Provisions | 4.597.740 | 4.730.271 | 5.000.941 | -7,8 | 4.610.395 |
| Total Other Liabilities | 1.499.638 | 1.805.635 | 2.335.108 | +13,0 | 2.638.774 |
| Total Liabilities | 319.050.925 | 324.371.700 | 358.502.882 | +1,1 | 362.563.805 |
| Total Equity | 25.204.550 | 23.555.562 | 24.683.281 | -2,5 | 24.058.445 |
| Total Liabilities and Equity | 344.255.475 | 347.927.262 | 383.186.163 | +0,9 | 386.622.250 |

CaixaBank S.A. (Group)

Creditreform C Rating

Figure 7: Development of capital ratios | Source: eValueRate / CRA

| Capital Ratios (€000) | 2015 | 2016 | 2017 | % | 2018 |
|---|-------|-------|-------|-------|-------|
| Total Equity/ Total Assets | 7,32 | 6,77 | 6,44 | -0,22 | 6,22 |
| Leverage Ratio | 5,70 | 5,70 | 5,50 | +0,10 | 5,60 |
| Phased-in: Common Equity Tier 1 Ratio (CET1) | 12,90 | 13,20 | 12,70 | -0,90 | 11,80 |
| Phased-in: Tier 1 Ratio (CET1 + AT1) | 12,90 | 13,20 | 12,80 | +0,50 | 13,30 |
| Phased-in: Total Capital Ratio (CET1 + AT1 + T2) | 15,90 | 16,20 | 16,10 | -0,50 | 15,60 |
| Fully Loaded: Common Equity Tier 1 Ratio (CET1) | 11,60 | 12,40 | 11,70 | -0,20 | 11,50 |
| Fully Loaded: Tier 1 Ratio (CET1 + AT1) | 11,60 | 12,40 | 12,30 | +0,70 | 13,00 |
| Fully Loaded: Total Capital Ratio (CET1 + AT1 + T2) | 14,60 | 15,40 | 15,70 | -0,40 | 15,30 |
| SREP Capital Requirements | 9,25 | 9,50 | 7,37 | +0,69 | 8,06 |
| Change in %Points | | | | | |

Figure 8: Development of liquidity | Source: eValueRate / CRA

| Liquidity (%) | 2015 | 2016 | 2017 | % | 2018 |
|---|--------|--------|--------|-------|--------|
| Net Loans / Deposits (LTD) | 108,81 | 104,93 | 102,16 | +1,69 | 103,85 |
| Interbank Ratio | 19,41 | 18,55 | 17,07 | +3,09 | 20,17 |
| Liquidity Coverage Ratio (LCR) | 172,00 | 160,00 | 202,00 | -2,00 | 200,00 |
| Customer Deposits / Total Funding (excl. Derivatives) | 60,82 | 61,12 | 60,80 | -1,07 | 59,73 |
| Change in %Points | | | | | |

CaixaBank S.A. (Group)

Creditreform C Rating

Regulatory

Creditreform Rating AG was neither commissioned by the rating object nor by any other third party for the rating. The analysis took place on a voluntary basis by Creditreform Rating AG and is to be described in the regulatory sense as an unsolicited rating.

The rating is based on publicly available information and internal evaluation methods for the rated bank. The quantitative analysis is based mainly on the latest annual accounts, interim reports, other investor relations information of the bank, and calculated key figures by eValueRate / CRA. Subject to a peer group analysis were 46 competing institutes.

The information and documents processed met the requirements of the rating system of Creditreform Rating AG as published on the website www.creditreform-rating.de. The rating was carried out on the basis of the rating methodology for unsolicited bank ratings as well as the methodology for the rating of bank capital and unsecured debt instruments in conjunction with Creditreform`s basic document "Rating Criteria and Definitions".

On 08 July 2019, the rating was presented by the analysts to the rating committee and adopted in a resolution.

The rating result was communicated to CaixaBank S.A. (Group), and the preliminary rating report was made available to the bank. There was no change in the rating score.

The rating is subject to one-year monitoring from the rating date and is valid until withdrawal of the rating. Within this period, the rating can be updated. At the latest after one year, a monitoring is required to maintain the validity of the rating.

In 2011, Creditreform Rating AG was registered within the European Union according to EU Regulation 1060/2009 (CRA-Regulation). Based on this registration, Creditreform Rating AG (CRA) is permitted to issue credit ratings within the EU, and is obligated to comply with the provisions of the CRA-Regulation.

Conflict of Interests

No conflicts of interest were identified during the rating process that might influence the analyses and judgements of the rating analysts involved nor any other natural persons whose services are placed at the disposal or under the control of Creditreform Rating AG and who are directly involved in credit rating activities or in approving credit ratings and rating outlooks.

In the event of providing ancillary services to the rated entity, CRA will disclose all ancillary services in the credit rating report.

Rules on the Presentation of Credit Ratings and Rating Outlooks

The approval of credit ratings and rating outlooks follows our internal policies and procedures. In line with our 'Rating Committee' policy, all credit ratings and rating outlooks are approved by a rating committee based on the principle of unanimity.

To prepare this credit rating, CRA has used the following substantially material sources:

- 1. Transaction structure and participants
- 2. Transaction documents
- 3. Issuance documents

CaixaBank S.A. (Group)

Creditreform C Rating

There are no other attributes and limitations of the credit rating or rating outlook other than those displayed on the CRA website. Furthermore, CRA considers satisfactory the quality and extent of information available on the rated entity. In regard to the rated entity Creditreform Rating AG regarded the available historical data as sufficient.

Between the time of disclosure of the credit rating to the rated entity and the public disclosure, no amendments were made to the credit rating.

The 'Basic Data' information card indicates the principal methodology or version of methodology that was used in determining the rating, with a reference to its comprehensive description.

In cases where the credit rating is based on more than one methodology or where reference only to the principal methodology might cause investors to overlook other important aspects of the credit rating, including any significant adjustments and deviations, Creditreform Rating AG explains this fact in the rating report and indicates how the different methodologies or other aspects are taken into account in the credit rating. This information is integrated in the credit rating report.

The meaning of each rating category, the definition of default or recovery and any appropriate risk warning, including a sensitivity analysis of the relevant key rating assumptions such as mathematical or correlation assumptions, accompanied by worst-case scenario credit ratings and best-case scenario credit ratings are explained.

The date at which the credit rating was initially released for distribution and the date when it was last updated including any rating outlooks is indicated clearly and prominently in the 'Basic Data' card as a "rating action"; initial release is indicated as "initial rating", other updates are indicated as an "update", "upgrade" or "downgrade", "not rated", "confirmed", "selective default" or "default".

In the case of a rating outlook, the time horizon is provided during which a change in the credit rating is expected. This information is available within 'Basic Data' information card.

In accordance to Article 11 (2) EU-Regulation (EC) No 1060/2009, a registered or certified credit rating agency shall make available, in a central repository established by ESMA, information on its historical performance data including the rating transition frequency and information about credit ratings issued in the past and on their changes. Requested data are available at the ESMA website: https://cerep.esma.europa.eu/cerep-web/statistics/defaults.xhtml.

An explanatory statement of the meaning of Creditreform`s default rates are available in the credit rating methodologies disclosed on the website.

CaixaBank S.A. (Group)

Creditreform C Rating

Disclaimer

Any rating performed by Creditreform Rating AG is subject to the Creditreform Rating AG Code of Conduct which has been published on the web pages of Creditreform Rating AG. In this Code of Conduct, Creditreform Rating AG commits itself – systematically and with due diligence – to establish its independent and objective opinion as to the sustainability, risks and opportunities concerning the enterprise or the issue under review.

Future events are uncertain, and forecasts are necessarily based on assessments and assumptions. This rating is therefore no statement of fact, but an opinion. For this reason, Creditreform Rating AG cannot be held liable for the consequences of decisions made on the basis of any of their ratings. Neither should these ratings be construed as recommendations for investors, buyers or sellers. They should only be used by market participants (entrepreneurs, bankers, investors etc.) as one factor among others when arriving at corporate or investment decisions. Ratings are not meant to be used as substitutes for one's own research, inquiries and assessments.

We have assumed that the documents and information made available to us by the client are complete and accurate and that the copies provided to us represent the full and unchanged contents of the original documents. Creditreform Rating AG assumes no responsibility for the true and fair representation of the original information.

This report is protected by copyright. Any commercial use is prohibited without prior written permission from Creditreform Rating AG. Only the full report may be published in order to prevent distortion of the report's overall assessment. Excerpts may only be used with the express consent of Creditreform Rating AG. Publication of the report without the consent of Creditreform Rating AG is prohibited. Only ratings published on the Creditreform Rating AG web pages remain valid.

Creditreform Rating AG

Contact information

Creditreform Rating AG Hellersbergstraße 11 D-41460 Neuss

Phone +49 (0) 2131 / 109-626 Fax +49 (0) 2131 / 109-627

E-Mail info@creditreform-rating.de www.creditreform-rating.de

CEO: Dr. Michael Munsch

Chairman of the Board: Prof. Dr. Helmut Rödl HR Neuss B 10522