

# Bitter Angielski - 05-09-2021 r. Lallemand - LalBrew American East Coast - New England

- Gravity **10.5 BLG**
- ABV **4.2 %**
- IBU **29**
- SRM **7.6**
- Style **Standard/Ordinary Bitter**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.9 liter(s)**
- Total mash volume **20.5 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **15.9 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **16.5 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

## Fermentables

| Type  | Name   | Amount         | Yield  | EBC |
|-------|--|----------------|--------|-----|
| Grain | Słód Maris Otter<br>Low Colour Thomas<br>Fawcett | 3.5 kg (76.9%) | 81 %   | 4.9 |
| Grain | Special B Malt                                   | 0.15 kg (3.3%) | 65.2 % | 315 |
| Grain | Carahell   | 0.35 kg (7.7%) | 77 %   | 26  |
| Grain | Weyermann - Pale<br>Ale Malt                     | 0.5 kg (11%)   | 85 %   | 7   |
| Grain | Biscuit Malt                                     | 0.05 kg (1.1%) | 79 %   | 45  |

## Hops

| Use for             | Name               | Amount | Time   | Alpha acid |
|---------------------|--------------------|--------|--------|------------|
| Boil                | Sovereign          | 20 g   | 60 min | 6.1 %      |
| Boil                | East Kent Goldings | 20 g   | 30 min | 4.5 %      |
| Boil                | East Kent Goldings | 30 g   | 10 min | 4.5 %      |
| Aroma (end of boil) | Sovereign          | 20 g   | 5 min  | 6.1 %      |

## Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

|   |     |     |      |         |
|---|-----|-----|------|---------|
| Lallemand - LalBrew<br>American East<br>Coast - New England | Ale | Dry | 11 g | LalBrew |
|---|-----|-----|------|---------|

## Notes

- <https://twojbrowar.pl/pl/surowce-piwowarskie/drozdze-piwowarskie/lalbrew-nottingham>  
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