

# Porter bałtycki 22 BLG 20I

- Gravity **19.1 BLG**
- ABV **8.3 %**
- IBU **36**
- SRM **34.1**
- Style **Baltic Porter**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.65 liter(s) / kg**
- Mash size **21.2 liter(s)**
- Total mash volume **29.2 liter(s)**

## Steps

- Temp **51 C**, Time **20 min**
- Temp **61 C**, Time **30 min**
- Temp **73 C**, Time **30 min**
- Temp **73 C**, Time **15 min**
- Temp **79 C**, Time **2 min**

## Mash step by step

- Heat up **21.2 liter(s)** of strike water to **56.8C**
- Add grains
- Keep mash **20 min** at **51C**
- Keep mash **30 min** at **61C**
- Keep mash **15 min** at **73C**
- Keep mash **30 min** at **73C**
- Keep mash **2 min** at **79C**
- Sparge using **12.1 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                     | Amount         | Yield | EBC |
|-------|--------------------------|----------------|-------|-----|
| Grain | Strzegom Wiedeński       | 3.8 kg (47.5%) | 79 %  | 10  |
| Grain | Monachijski              | 3 kg (37.5%)   | 80 %  | 16  |
| Grain | Karmelowy Jasny<br>30EBC | 0.35 kg (4.4%) | 75 %  | 30  |
| Grain | Strzegom Karmel<br>600   | 0.4 kg (5%)    | 68 %  | 601 |
| Grain | Czekoladowy              | 0.45 kg (5.6%) | 60 %  | 788 |

## Hops

| Use for | Name              | Amount | Time   | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil    | Marynka           | 35 g   | 60 min | 10 %       |
| Boil    | Lublin (Lubelski) | 20 g   | 40 min | 4 %        |

## Yeasts

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

|                                       |       |     |      |                 |
|---------------------------------------|-------|-----|------|-----------------|
| Mangrove Jack's<br>M84 Bohemian Lager | Lager | Dry | 20 g | Mangrove Jack's |
|---------------------------------------|-------|-----|------|-----------------|