

# Mleczna czekolada z owocami

- Gravity **18.2 BLG**
- ABV **7.8 %**
- IBU **29**
- SRM **51.4**
- Style **Sweet Stout**

## Batch size

- Expected quantity of finished beer **23.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29.7 liter(s)**

## Mash information

- Mash efficiency **82 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.9 liter(s)**
- Total mash volume **29.2 liter(s)**

## Fermentables

| Type  | Name                             | Amount        | Yield  | EBC  |
|-------|----------------------------------|---------------|--------|------|
| Grain | Viking Pale Ale malt             | 5 kg (62.5%)  | 80 %   | 5    |
| Grain | Jęczmień palony                  | 0.4 kg (5%)   | 55 %   | 985  |
| Grain | Carafa III                       | 0.4 kg (5%)   | 70 %   | 1300 |
| Grain | Strzegom pszenica prażona        | 0.2 kg (2.5%) | 70 %   | 1000 |
| Grain | Weyermann - Carapils             | 0.3 kg (3.8%) | 78 %   | 4    |
| Grain | Oats, Flaked                     | 0.2 kg (2.5%) | 80 %   | 2    |
| Grain | Fawcett - Pszeniczny Czekoladowy | 0.3 kg (3.8%) | 73 %   | 1001 |
| Sugar | Milk Sugar (Lactose)             | 0.7 kg (8.8%) | 76.1 % | 0    |
| Grain | Fawcett - Brown                  | 0.2 kg (2.5%) | 72 %   | 180  |
| Grain | Cara Ruby Castle                 | 0.3 kg (3.8%) | 72 %   | 49   |

## Hops

| Use for | Name  | Amount | Time   | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil    | vital | 30 g   | 60 min | 13 %       |

## Yeasts

| Name               | Type | Form  | Amount  | Laboratory  |
|--------------------|------|-------|---------|-------------|
| Wyeast - Irish Ale | Ale  | Slant | 1000 ml | Wyeast Labs |

## Extras

| Type   | Name            | Amount | Use for   | Time      |
|--------|-----------------|--------|-----------|-----------|
| Flavor | malina          | 3000 g | Secondary | 15 day(s) |
| Flavor | ziarno kakaowca | 150 g  | Boil      | 15 min    |