

# Milkstout czekoladowy z kokosem

- Gravity **17.5 BLG**
- ABV **7.5 %**
- IBU **31**
- SRM **46.4**
- Style **Sweet Stout**

## 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 **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Sparge using **11.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                         | Amount        | Yield  | EBC |
|-------|------------------------------|---------------|--------|-----|
| Grain | Briess - Dark Chocolate Malt | 0.5 kg (6.7%) | 60 %   | 827 |
| Grain | Roasted Barley               | 0.5 kg (6.7%) | 55 %   | 591 |
| Grain | Pale Malt (2 Row) UK         | 4 kg (53.3%)  | 78 %   | 6   |
| Grain | Biscuit Malt                 | 0.5 kg (6.7%) | 79 %   | 45  |
| Grain | Carafa                       | 0.5 kg (6.7%) | 70 %   | 664 |
| Sugar | Milk Sugar (Lactose)         | 0.5 kg (6.7%) | 76.1 % | 0   |
| Grain | Barley, Flaked               | 1 kg (13.3%)  | 70 %   | 4   |

## Hops

| Use for | Name   | Amount | Time   | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil    | Magnum | 25 g   | 60 min | 13.5 %     |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 10 g   | Safale     |

## Extras

| Type   | Name    | Amount | Use for   | Time     |
|--------|---------|--------|-----------|----------|
| Flavor | Coconut | 200 g  | Secondary | 7 day(s) |

|               |         |     |           |          |
|---------------|---------|-----|-----------|----------|
| Odtluszczzone |         |     |           |          |
| Spice         | Wanilia | 5 g | Secondary | 7 day(s) |
| 2 laski       |         |     |           |          |