

# Milk Stout

- Gravity **14.4 BLG**
- ABV ---
- IBU **26**
- SRM **40**
- Style **Sweet Stout**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **10 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **27.8 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **22.8 liter(s)**
- Total mash volume **28.5 liter(s)**

## Steps

- Temp **58 C**, Time **10 min**
- Temp **62 C**, Time **45 min**
- Temp **72 C**, Time **30 min**

## Mash step by step

- Heat up **22.8 liter(s)** of strike water to **62.8C**
- Add grains
- Keep mash **10 min** at **58C**
- Keep mash **45 min** at **62C**
- Keep mash **30 min** at **72C**
- Sparge using **10.7 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

## Fermentables

| Type  | Name                      | Amount         | Yield  | EBC |
|-------|---------------------------|----------------|--------|-----|
| Grain | Weyermann - Pale Ale Malt | 4 kg (70.2%)   | 85 %   | 7   |
| Grain | Caramunich Malt           | 0.6 kg (10.5%) | 71.7 % | 110 |
| Grain | Carafa II                 | 0.4 kg (7%)    | 70 %   | 812 |
| Grain | Special B Malt            | 0.7 kg (12.3%) | 65.2 % | 315 |

## Hops

| Use for             | Name         | Amount | Time     | Alpha acid |
|---------------------|--------------|--------|----------|------------|
| Boil                | Green Bullet | 15 g   | 60 min   | 12.9 %     |
| Aroma (end of boil) | Green Bullet | 15 g   | 10 min   | 12.9 %     |
| Dry Hop             | Calypso      | 30 g   | 7 day(s) | 14.9 %     |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 11.5 g | Safale     |

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|        |         |        |      |        |
|--------|---------|--------|------|--------|
| Flavor | laktoza | 1000 g | Boil | 15 min |
|--------|---------|--------|------|--------|