

# Kofi Stout

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **23**
- SRM **28.8**
- Style **American 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 **5 %/h**
- Boil size **24.1 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **20.2 liter(s)**
- Total mash volume **26 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **20.2 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **5 min** at **76C**
- Sparge using **9.7 liter(s)** of **76C** water or to achieve **24.1 liter(s)** of wort

## Fermentables

| Type  | Name                     | Amount         | Yield | EBC  |
|-------|--------------------------|----------------|-------|------|
| Grain | Weyermann - Pilsner Malt | 3.7 kg (64.1%) | 81 %  | 5    |
| Grain | Strzegom Karmel 600      | 0.07 kg (1.2%) | 68 %  | 601  |
| Grain | Caraaroma                | 0.3 kg (5.2%)  | 78 %  | 400  |
| Grain | Jęczmień palony          | 0.1 kg (1.7%)  | 55 %  | 985  |
| Grain | Płatki owsiane           | 0.5 kg (8.7%)  | 85 %  | 3    |
| Grain | Monachijski jasny        | 0.5 kg (8.7%)  | 80 %  | 16   |
| Grain | weyermann special W      | 0.5 kg (8.7%)  | 73 %  | 300  |
| Grain | Carafa III               | 0.1 kg (1.7%)  | 70 %  | 1034 |

## Hops

| Use for | Name                   | Amount | Time   | Alpha acid |
|---------|------------------------|--------|--------|------------|
| Boil    | Columbus/Tomahawk/Zeus | 30 g   | 15 min | 15.5 %     |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 11.5 g | Fermentis  |

## Extras

| Type   | Name           | Amount | Use for | Time  |
|--------|----------------|--------|---------|-------|
| Flavor | kawa ziarnista | 500 g  | Boil    | 5 min |
| Flavor | laktoza        | 500 g  | Boil    | 5 min |