

# Mostly Polish Ale 13BLG

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **29**
- SRM **4.1**
- Style **American Pale Ale**

## 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 **15 liter(s)**
- Total mash volume **20 liter(s)**

## Steps

- Temp **65 C**, Time **40 min**
- Temp **71 C**, Time **30 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **15 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **40 min** at **65C**
- Keep mash **30 min** at **71C**
- Keep mash **5 min** at **76C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount       | Yield | EBC |
|-------|----------------------|--------------|-------|-----|
| Grain | Viking Pale Ale malt | 4.5 kg (90%) | 80 %  | 5   |
| Grain | Viking Wheat Malt    | 0.5 kg (10%) | 83 %  | 5   |

## Hops

| Use for | Name              | Amount | Time   | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil    | Marynka           | 15 g   | 60 min | 10 %       |
| Boil    | Lublin (Lubelski) | 50 g   | 10 min | 4 %        |
| Boil    | Chinook           | 15 g   | 5 min  | 13 %       |

## Yeasts

| Name                       | Type | Form   | Amount | Laboratory |
|----------------------------|------|--------|--------|------------|
| WLP041 - Pacific Ale Yeast | Ale  | Liquid | 100 ml | White Labs |