

# Mango IPA Piter86

- Gravity **17.7 BLG**
- ABV **7.6 %**
- IBU **33**
- SRM **10.2**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **26 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.3 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **32.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.9 liter(s)**
- Total mash volume **26.5 liter(s)**

## Steps

- Temp **65 C**, Time **30 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **20 min**

## Mash step by step

- Heat up **19.9 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **30 min** at **65C**
- Keep mash **20 min** at **72C**
- Keep mash **20 min** at **78C**
- Sparge using **19.2 liter(s)** of **76C** water or to achieve **32.5 liter(s)** of wort

## Fermentables

| Type           | Name                           | Amount         | Yield | EBC |
|----------------|--------------------------------|----------------|-------|-----|
| Grain          | Viking Pale Ale malt           | 5 kg (60%)     | 80 %  | 5   |
| Grain          | Karmelowy Jasny 30EBC          | 0.5 kg (6%)    | 75 %  | 30  |
| Grain          | Viking Wheat Malt              | 1 kg (12%)     | 83 %  | 5   |
| Grain          | Weyermann Caramunich 3         | 0.13 kg (1.6%) | 76 %  | 150 |
| Liquid Extract | Gozdawa ekstrakt słodowy jasny | 1.7 kg (20.4%) | 80 %  | 45  |

## Hops

| Use for | Name              | Amount | Time   | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil    | Lublin (Lubelski) | 25 g   | 60 min | 4 %        |
| Boil    | Marynka           | 30 g   | 30 min | 10 %       |
| Boil    | Lublin (Lubelski) | 25 g   | 10 min | 4 %        |
| Boil    | Marynka           | 50 g   | 5 min  | 10 %       |

## Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

|                               |     |     |      |         |
|-------------------------------|-----|-----|------|---------|
| Gozdawa - Pure Ale<br>Yeast 7 | Ale | Dry | 23 g | Gozdawa |
|-------------------------------|-----|-----|------|---------|