

CZERWONA MANGO APA

- Gravity **12.6 BLG**
- ABV ---
- IBU **85**
- SRM **19.7**
- Style **Red IPA**

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 **15.5 liter(s)**
- Total mash volume **20.6 liter(s)**

Steps

- Temp **55 C**, Time **0 min**
- Temp **64 C**, Time **10 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **15.5 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **0 min** at **55C**
- Keep mash **10 min** at **64C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **15 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 | 3 kg (58.3%) | 80 % | 5 |
| Grain | Weyermann - Carared | 0.5 kg (9.7%) | 75 % | 45 |
| Grain | Płatki owsiane | 0.4 kg (7.8%) | 85 % | 3 |
| Grain | Monachijski | 0.5 kg (9.7%) | 80 % | 16 |
| Grain | Strzegom Karmel 30 | 0.5 kg (9.7%) | 75 % | 30 |
| Grain | Jęczmień palony | 0.25 kg (4.9%) | 55 % | 985 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|------------------------|--------|----------|------------|
| Whirlpool | Mosaic | 25 g | 0 min | 10 % |
| Dry Hop | Simcoe | 25 g | 5 day(s) | 13.2 % |
| Boil | Columbus/Tomahawk/Zeus | 50 g | 60 min | 15.5 % |

Yeasts

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

| | | | | |
|-------|-----|-----|-----|-----|
| us-05 | Ale | Dry | 5 g | --- |
|-------|-----|-----|-----|-----|

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------------|--------|---------|----------|
| Flavor | Pulpa Mango Alphonso | 500 g | Primary | 5 day(s) |