smart**LAB**®
diet

Kitchen scale with integrated nutrition data

User Manual

⚠️ *Please read this manual thoroughly before first using this device*

HMM Diagnostics GmbH
D-69221 Dossenheim, Germany
www.hmm.info

Content

I. Introduction

II. Your smartLAB®*diet*

## III. Setup & Operating functions

IV. Miscellaneous

I. Introduction

Thank you for using the **smartLAB**®*diet* kitchen scale. This scale was developed especially for the needs of people with diabetes. However, it may be used in any environment, where a healthy nutrition is considered to be important.

With 999 food codes on the device itself, your **smartLAB**®*diet* can not only show you the weight of your food. The scale additionally informs you about relevant nutritional data like fat, protein, salt or cholesterol amount and bread units. That is why the **smartLAB**®*diet* finds use in many different fields and alleviates users through its easy-to-understand functioning in preparing their meals.

II. Your smartLAB®*diet*

Display & functions

"Battery low" symbol
"Memory" symbol
"Total memory"
"Negative weight" symbol
Value
Weight
Unit
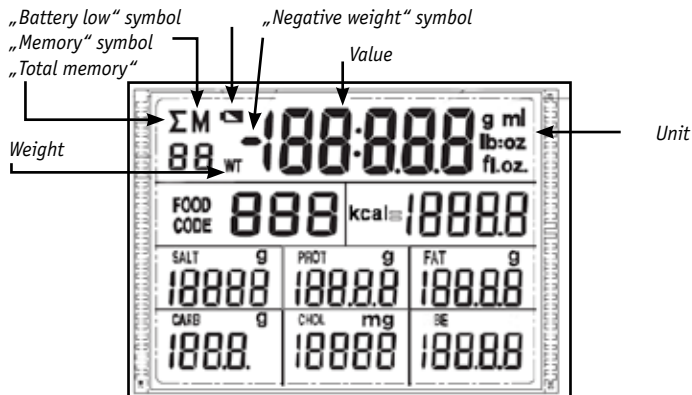
Specifications

- Power switch On & Auto off
- Capacity: 5000 g, 176.4 oz, 11 lb: 0,4 oz, 5000 ml
- Division: 1g, 0.1 oz, 1 ml
- Weight overload display(> 5100g): „Err"
- „Battery low" display symbol
- Battery: 1 x CR2032 Lithium battery

Control keys

- On
- Off
- Zero (Tare weight function)
- CLR/MC: Erasing memory
- g/oz: Changing unit
- M+: Add memory
- MR: Show nutrition data
- Number keys: 0-9

Set Content

1 smartLAB®*diet* kitchen scale
1 User manual
1 CR2032 battery

III. Setup & Operating functions

Change batteries
- Open the battery lid on the backside of the device.
- Insert one "CR2032" battery in accordance with the correct direction (polarity).
- Close the battery lid.

⚠ When the display shows the symbol 🔋 replace the battery with a new one.

⚠ Rechargeable 1.2 V batteries are not suitable for this device.

⚠ Remove the battery if you don't use the device for one month or longer.

🗑 Kitchen scale and batteries need to be disposed of according to local regulations.

Using your smartLAB®*diet*
- After inserting the battery, push the „ON" button to turn on the scale.
- You can turn off the **smartLAB**®*diet* kitchen scale by pushing the „OFF" button. If no button is pushed, the scale will automatically power off after 60 seconds. In order to save battery power, you should always turn off the scale manually, when you do not need it, any more.

Changing units

While weighing, you can use the „g/ oz" button to switch between the different measuring units. You can choose between: g / oz / ml

Weighing foods

1. Turn on your **smartLAB**®*diet* kitchen scale with the „ON" button.
2. The device does an initial checkup. The display elements should all be visible now. As soon as the „weight" symbol appears in the upper left display corner, your

smartLAB®*diet* is ready for use.

3. Slowly place the item you want to scale on your **smartLAB**®*diet*.

4. The displays reads the measured value.

The Zero weight function

You can use the zero function during the process of weighing. By pushing the „zero" button, the display switches back to „0". The before measured value is set back to 0 (zero). You can repeat to tare the weight as often as you wish. Proceed in the following way:

1. Turn on your **smartLAB**®*diet* kitchen scale with the „ON" button.

2. Choose the measuring unit (g / oz / ml).

3. Place the item you want to determine weight of on the scale.

4. Push „zero" after the measured weight does not change its value any more.
   The display switches back to „0"

5. If you place another *additional* item on the scale, the display will read the weight of
   this item *only*.

6. Repeat as often as needed.

If you want to restore the zero weight function, proceed in the following way: remove all foods from the scale. The „negative weight" symbol appears in the display. Push the „zero" button, in order to restore the scale.

Note: You can store nutritional data after every weighing process. Please refer to the chapter „Saving nutritional data" in this manual.

Show nutritional data

1. Make sure your **smartLAB**®*diet* kitchen scale is in weight mode. Press the „g/ oz"
   button, if necessary. The weight symbol („WT") will appear on the display.

2. Place food items on the scale.

3. Look up the according three-digit food code from the „Food code" chapter out of
   this manual.

4. Enter the code with the number keys of your **smartLAB**®*diet* kitchen scale. The code
   is shown in the display corner. You can erase your entry by pushing the „CLR/ MC"
   button.

5. The scale shows you the following nutritional information:

   > KCAL: kilo calory amount
   > SALT: salt amount
   > PROT: protein amount
   > FAT: fat amount
   > CARB: carbohydrates
   > CHOL: cholesterol amount
   > BE: bread units

Saving nutritional data

You can store the measured nutritional data on the scale's internal memory. Proceed in
the following way:

1. Scale a food item with its corresponding food code, as described in the chapter
   „Show nutritional data".

2. Press the „M+" button to store the information. The display reads „M01" for the first
   stored nutrition information.

3. If you want to scale another item additionally, you have to press the zero button
   first. Alternatively, you can remove the item and place an new one on the scale.
   Before you are able to save its information, you will have to erase the before
   entered food code. Press "CLR/MC" to do so. Enter a new food code and store the
   information with the "M+" button.

Note:

- The values will be saved on the memory even when you turn off the scale.
- Display sign for over load „Err".
- You can save up to 99 files. If you want to add another nutrition data and the memory is full, however, please press „CLR/ MC". This will erase the memory and you can save data again.
- It is only possible to store nutritional data, when you enter a food code first.

Loading nutritional data

1. Make sure your **smartLAB**®*diet* is in weigth mode. Press the „g/ oz" button, if necessary. The weight symbol („WT") will appear in the display.

2. Press the „MR" button. The display will now show the total amount of all values stored on the device. This is also shown by the symbol „∑" in the upper left corner. Press „MR" to switch back to the weight mode.

Note: The total weight of all stored data can not be displayed with this device.

Erasing nutritional data

1. Make sure your **smartLAB**®*diet* is in weigth mode. Press the „g/ oz" button, if necessary. The weight symbol („WT") will appear in the display.

2. Keep the „CLR/ MC" button pushed, until the "M" symbol starts flashing. If you push the button again, all memory will be erased.

Note: Do not place items on your **smartLAB**®*diet* kitchen scale which access the acceptable maximal total weight. If the total weight is accessed, the display will show a symbol. Please replace all items which are too heavy for the scale to avoid further damage.

IV. Miscellaneous

Important information

• Your **smartLAB**®*diet* kitchen scale was preprogrammed with 999 food codes. With these codes, additional nutrition information (like calories, salt, protein, cholesterol amount and bread units) of the most common foods can be displayed. The preprogrammed values are only an indication and should never be considered to be absolute. The nutritional data are approximate values based on the „Bundeslebensmittelschlüssel" of the Federal Ministry for Nutrition, Agriculture and Consumer Protection.

• Please make sure to use your scale in room temperature. Place it on a solid, horizontal area where it cannot dangle.

• This scale is not water-proof. Do not expose it to humidity. Do not rinse under water.

• This scale is an exactly working monitoring device. Please treat it carefully. Avoid shaking the device or exposing it to other vibrations.

• NEVER try to disassemble the device by yourself. In this case your warranty claims will become invalid.

• The display values may get influenced by electro-magnetical interferences from kitchen radios etc. If this should ever happen, place the scale out of the interference area and turn it on again.

Maintenance

• Do not rinse under fluent water and do not immerse in water.

• Use a wet towel and/or mild detergent to clean the scale.

• Do not use aggressive cleaning sponges or detergents and do not use aggressive fluids like benzin or aceton.

• Protect your device from blows, humidity, dust, chemicals, heavy temperature variations and too close heat sources (ovens, radiators etc.)

Using Food Codes

Your **smartLAB**®*diet* kitchen scale has stored all the relevant nutritional data of a food item according to its specific food code (left column). Please refer to this user manual to learn, how food codes are entered.

The list has been divided into different categories, to make it easier for you finding the specific food item:

Food Codes

BREAD

001	whole-grain bread
002	whole-grain bread with oilseeds
003	rye bread- wheatentoast with bruised grain
004	rye bread- mixed wheat bread
005	rye bread-multigrain bread
006	white bread- toast
007	white bread- wheat bread
008	wholemeal bun
009	wholemeal bun with oilseed ingedients
010	bun
011	bun with oilseeds
012	bun- rye bun
013	crispbread
014	Graham bread
015	pumpernickel
016	baguette
017	pita bread
018	breadcrumbs

CEREALS, WHEAT ETC.

019	wheat wholemeal
020	wheat seed
021	wheat semolina
022	rye wholemeal
023	oats (whole seeds)
024	oat flakes
025	barley wholemeal
026	pearl barley
027	flour
028	whole wheat flour
029	wheat flour type 1050
030	wheat flour type 405
031	wheat flour type 550
032	wheat bran
033	whole rye flour
034	rye flour type 1150
035	unripe spelt grain wholemeal
036	buckwheat
037	millet (whole seed)
038	millet (peeled seed)
039	millet flakes
040	corn wholemeal
041	corn millet
042	natural rice

043	cooked natural rice
044	rice polished
045	cooked rice polished
046	rice parboiled
047	cooked rice parboiled
048	corn starch
049	granola
050	fruit granola
051	chocolate granola
052	cornflakes
053	ricecrispies
054	cereal flakes
055	multipil grain flackes roasted with sugar/ honey
056	puffed rice
057	puffed rice roasted with suagr/honey
058	puffed corn/ popcorn

LONG-LIFE BAKERY PRODUCTS & PASTRY

059	lye dough products
060	salty snacks
061	zwieback
062	corn peanuts
063	cracker
064	nibbles
065	pretzel sticks
066	puff pastry
067	choux pastry
068	yeast dough
069	shortpastry
070	onion tarte
071	fruit flan, tart (gener.)
072	tart with stone fruits
073	tart out of batter
074	tart out of yeast dough (low-fat)
075	tart out of rich shortpastry
076	torte
077	cream cake, cream gateau
078	Sacher cake
079	cream cheesecake
080	Linzertorte/ Linzer Tart
081	Black Forest gateau
082	jelly roll, swiss roll
083	butter-cream cake out of sponge
084	flan out of sponge

085	cake
086	nut cake
087	gingerbread
088	cake out of batter
089	marble cake out of batter
090	Donau-Wellen out of batter
091	sand cake
092	Frankfurter Kranz out of biscuit dough
093	cake out of yeast dough (low-fat) with streusel/ crumbs
094	cake out of yeast dough (low-fat) with raisins
095	plaited yeast bun out of yeast dough (low fat)
096	filled and sliced Kranz out of yeast dough (low fat)
097	be-sting out of rich yeast dough
098	bundt cake/ deep dish pie out of rich yeast dough
099	stollen out of rich yeast dough
100	marzipan stollen out of rich yeast dough
101	nut kranz out of rich yeast dough
102	papaver kranz out of rich yeast dough
103	cheese cake out of shortpastry
104	apple strudel
105	quark strudel
106	small crumbs from special dough
107	meringue
108	waffle
109	shortbread biscuit
110	German lebkuchen
111	Printen / sort of Lebkuchen
112	pepper nuts
113	pyramid cake
114	biscuit, cookie
115	ladyfinger/ lady's finger out of sponge
116	éclairs out of choux pastry filled with cream
117	cream puff out of choux pastry filled with cream and cherries
118	biscuite/ cookies out of shortpastry
119	almond biscuit out of shortpastry
120	fruitpie out of shortpastry
121	Berliner pancake out of low-fat yeast dough
122	nut pastry out of rich yeast dough
123	fried yeast dough out of low-fat
124	Schnecken pastry out of low-fat yeast dough
125	croissant out of puff pastry
126	danish pastry
127	wholemeal cookie
128	tarte ready-mix

EGGS & PASTA

129	fresh egg
130	cooked fresh egg
131	egg yolk
132	egg white
133	pasta (gener.), ribbon noodles
134	pasta without egg
135	cooked eggfree pasta
136	pasta with egg
137	cooked pasta with egg
138	cooked wholemeal pasta
139	wholemeal pasta without egg
140	wholemeal pasta with egg
141	pasta dough pasta products

FRUITS

142	fresh rhubarb
143	fresh fruitmix
144	dried fruitmix
145	mixed fruit juice
146	mixed fruit nectar
147	mixed fruit jam
148	mixed drained fruits in a preserve
149	fresh apple
150	fresh apple with pairing and core
151	fresh cooked apple
152	dried apple
153	apple juice
154	apple nectar
155	fresh peeled apple
156	peeled drained apple in a tin
157	fresh pear
158	fresh pear with pairing and core
159	fresh cooked pear
160	pear nectar
161	drained pear in a tin
162	quince jam
163	fresh apricot
164	fresh cooked apricot
165	dried apricot
166	apricot nectar
167	apricot jam

168	drained apricot in a tin
169	fresh nectarine
170	fresh peach
171	peach nectar
172	drained peach in a tin
173	fresh sweet cherry
174	drained sweet cherry in a tin
175	fresh sour cherry
176	sour cherry juice
177	sour cherry nectar
178	sour cherry jam
179	drained sour cherry in a tin
180	fresh plum
181	dried plum
182	plum juice
183	drained plum in a tin
184	fresh damson plum
185	fresh mirabelle
186	mirabelle jam
187	drained mirabelle in a tin
188	fresh greengage plum
189	fresh strawberry
190	strawberry jam
191	fresh raspberry
192	raspberry nectar
193	raspberry jam
194	fresh blackberry
195	blackberry jam
196	fresh blueberry
197	blueberry jam
198	fresh gooseberry
199	gooseberry jam
200	fresh grapes
201	dried grapes
202	grape juice
203	fresh red currant
204	red currant nectar
205	red currant jam
206	fresh black currant
207	black currant nectar
208	black currant jam
209	lingonberry jam
210	hip concentrate
211	sea-buckthorn concentrate
212	fresh elderberry
213	elderberry juice
214	fresh pineapple
215	drained pineapple in a tin
216	fresh avocado
217	fresh banana
218	dried banana
219	dried dates
220	fresh fig
221	dried fig
222	fresh pomegranate
223	fresh kaki
224	passion fruit
225	passion fruit juice
226	fresh watermelon
227	fresh kiwi fruit
228	kiwi fruit jam
229	drained lychee in a tin
230	fresh mango
231	drained mango in a tin
232	fresh papaya
233	fresh melon
234	fresh lemon
235	lemon juice
236	fresh orange
237	orange juice
238	orange nectar
239	orange jam
240	fresh grapefruit
241	grapefruit juice
242	grapefruit nectar
243	fresh tangerine
244	drained tangerine in a tin
245	fresh clementine
246	fresh satsuma
247	raisins
248	sultanas

VEGETABLES

249	fresh alga
250	fresh chives
251	mixed herbage
252	mixed fresh cooked vegetables
253	mixed vegetable drink
254	fresh greens
255	fresh chicory
256	fresh endive
257	fresh iceberg lettuce
258	fresh lamb's lettuce/ corn salad
259	fresh butterhead lettuce
260	fresh radicchio
261	fresh cos lettuce
262	cooked leaf spinach
263	deep-frozen cooked spinach

264	fresh leaf spinach
265	cooked blanched celery
266	fresh blanched celery
267	fresh celery
268	fresh mangel
269	fresh parsley leaf
270	fresh dandelion
271	fresh sorrel
272	fresh wattercress
273	fresh cress
274	fresh cauliflower
275	fresh cooked cauliflower
276	fresh cooked broccoli
277	fresh chinese cabbage
278	fresh cooked chinese cabbage
279	fresh cooked borecole
280	cooked borecole in a tin
281	fresh kohlrabi
282	fresh cooked kohlrabi
283	fresh cooked brussels sprouts
284	fresh red cabbage with pairing and core
285	fresh cooked red cabbage
286	cooked red cabbage in a tin
287	fresh white cabbage
288	fresh cooked white cabbage
289	fresh cooked savoy cabbage
290	fresh cooked sauerkraut
291	drained sauerkraut in a tin
292	fresh wein sauerkraut
293	artichoke in a tin
294	fresh fennel
295	fresh cooked fennel
296	cooked heart of palm in a tin
297	fresh cooked asparagus
298	cooked asparagus in a tin
299	fresh purslane
300	fresh cooked leek
301	fresh onions
302	fresh cooked onions
303	preserved drained pearl onion
304	fresh spring onion
305	fresh garlic
306	fresh cooked aubergine/eggplant
307	fresh cucumber
308	fresh cooked cucumber
309	fresh cooked sweet pepper
310	fresh green pepper
311	fresh red pepper
312	red pepper in a tin
313	fresh cooked tomatoes
314	tomatoe concentrate
315	tomatoe juice
316	cooked tomatoes in a tin
317	fresh red tomatoe
318	fresh cooked sweet corn
319	drained sweet corn in a tin
320	fresh cooked pumpkin
321	fresh zucchini/ courgette
322	fresh cooked zucchini/ courgette
323	fresh vegetable marrow
324	cooked rutabaga/ swede
325	fresh beetroot
326	fresh cooked beetroot
327	cooked beetroot in a tin
328	fresh white beet
329	fresh cooked white beet
330	fresh carrot
331	fresh cooked carrot
332	carrot juice
333	cooked carrot in a tin
334	horseradish in a tin
335	fresh parsnip
336	fresh cooked parsnip
337	fresh salsify
338	fresh cooked salsify
339	cooked salsify in a tin
340	fresh celeriac
341	fresh cooked celeriac
342	fresh white radish
343	fresh red radish
344	cooked green bean
345	deep- frozen cooked green bean
346	cooked green bean in a tin
347	cooked wax beans
348	cooked wax beans in a tin
349	dried broad bean
350	dried soybean
351	fresh green pea
352	fresh cooked green pea
353	deep- frozen cooked green pea
354	cooked green pea in a tin
355	dried chickpea
356	dried cooked lima bean
357	cauliflower soup instant product
358	root and tuber vegetable soup dry matter
359	Mixed Pickles
360	gherkin in a tin
361	cornichons in a tin

362	beetroot in a tin
363	bean salad in a tin
364	celery salad in a tin
365	carrot salad in a tin

LEGUMES, NUTS, OILSEEDS

366	fresh nuts
367	roasted peanuts
368	european walnut
369	fresh haselnut
370	grated coconut
371	coconut milk
372	roasted cashew nut
373	fresh brazil nut
374	fresh sweet almond
375	fresh cooked sweet chestnut
376	roasted sweet chestnut
377	roasted and salted pistachio
378	fresh pumpkinseeds
379	fresh pine nut
380	fresh linseed
381	fresh sesame
382	fresh sunflowerseeds
383	fresh poppy seed
384	soured green olives
385	soured black olives
386	cooked drained bamboo shoots in a tin
387	alfalfa
388	Mung bean sprouts
389	grain sprout
390	ripened legumes
391	fresh ripened cooked peas
392	drained cooked ripe lentil in a tin
393	fresh cooked kidney bean
394	drained cooked ripe kidney bean in a tin
395	kidney bean in a tin
396	trail mix
397	legume dish tin soup

VEGETARIAN FOOD

398	roasted soybean
399	degrease, not bitter soyflour
400	textured soy protein (TVP)
401	liquid soymilk
402	fresh tofu/ bean curd
403	vegetarian frikadeller/ burger dry matter
404	soymeat with spices dry matter
405	vegetarien pies
406	cut soy
407	yeast extract (marmite)
408	vegetarian frikadelle/ burger deep frozen
409	soy sausage in a tin

POTATOES & MUSHROOMS

410	fresh cooked peeled potatoes
411	mashed potato powder
412	potato starch flour
413	cooked potato dumpling instant product
414	ready made potato chips/crisps
415	manioc (cassava)
416	batata (sweet potato)
417	fresh sunchoke
418	tapioca
419	fresh cooked mushrooms
420	cooked drained mushrooms in a tin
421	cooked white mushroom
422	fresh white mushroom
423	cooked drained white mushroom in a tin
424	fresh chanterelle
425	dried chanterelle
426	chanterelle in a tin
427	fresh boletus
428	dried boletus
429	boletus in a tin
430	fresh shiitake
431	wild mushrooms
432	white mushroom cream soup dry matter

DIET FOOD

433	dark bread with carob flour low protein, gluten-free
434	waffle low protein gluten- free
435	cookie/ biscuit low protein gluten- free low- sodium
436	flour mixture for bread gluten- free
437	zweiback gluten- free
438	waffle corn pone gluten- free
439	milletbread gluten- free
440	sweet chestnut bread gluten- free
441	corn cookie gluten- free
442	energie bar with haselnut creme
443	diabetic sugar
444	diabetic spread
445	jam with nutritive sweetner/ sweetner
446	diabetic chokolate
447	diabetic candies/ sweets
448	diabetic bakery products
449	wholemeal zwieback for diabetic

450	diabetic pastries
451	Saccharin-Cyclamat-mixture tablet
452	sausage and meat products low- fat
453	fruit yoghurt with sweetner
454	fruit curd cheese with sweetner
455	fruit soured milk with sweetner
456	orange juice with sweetner
457	multi vitamine nectar with sweetner
458	salt and speises substitution for diet

MILK & MILK PRODUCTS

459	sheep's mild cheese
460	Roquefort
461	feta cheese
462	mozzarella
463	cooked cow milk
464	cooked skimmed milk
465	cooked semi-skimmed milk
466	fresh skimmed cow milk
467	fresh low fat cow milk
468	fresh whole milk
469	whole attested cow milk
470	soured milk
471	skimmed soured milk
472	semi-skimmed soured milk
473	soured milk 10 % fat
474	kefir
475	skimmed kefir
476	skimmed yoghurt
477	semi-skimmed yoghurt
478	whole yoghurt
479	buttermilk
480	whey
481	cream
482	sour cream 10 % fat
483	sour cream 20 % fat
484	sour cream 30 % fat
485	sour cream 40 % fat
486	whipped cream 30 % fat
487	condensed milk sugared 10 % fat
488	condensed milk 4% fat
489	condensed milk 7.5 % fat
490	condensed milk 10 % fat
491	milk with cocoa or chocolate
492	soured milk low fat with fruits
493	soured milk 10 % with fruits
494	soured milk with granola
495	yoghurt with fruits
496	yoghurt low fat with fruits
497	whole yoghurt with fruits
498	yoghurt 10% with fruits
499	yoghurt with granola
500	buttermilk with fruits
501	hard cheese
502	hard cheese low- fat
503	hard cheese full fat
504	hard cheese cream
505	alpine cheese full fat
506	Chester
507	Emmentaler full fat
508	Greyerzer
509	parmesan cheese
510	Raquelette cream
511	Jarlsberg full fat
512	cheddar cream
513	cut cheese
514	cut cheese fat
515	cut cheese full fat
516	cut cheese cream
517	Edam
518	Gouda
519	Tilsiter
520	Fontina
521	semi-hard cheese
522	semi-hard cheese fat
523	semi-hard cheese full fat
524	semi-hard cheese cream
525	semi-hard cheese double cream
526	Butterkäse
527	mushroom cheese
528	Trappisten full fat
529	Esrom full fat
530	blue cheese cream
531	Danablu cream
532	Stilton double cream
533	gorgonzola
534	cheese slices
535	soft cheese
536	soft cheese semi bold
537	soft cheese fat
538	soft cheese full fat
539	soft cheese cream
540	soft cheese double cream
541	soft cheese 70% FDM
542	brie cream
543	camembert
544	Limburger
545	Romadur semi fat

546	Port-Salut cheese cream
547	cream cheese
548	cream cheese cream
549	chream cheese full fat
550	cottage cheese
551	cottage cheese skimmed
552	curd cheese skimmed
553	curd cheese semi bold
554	curd cheese full fat
555	sour milk cheese skimmed
556	Ricotta double cream
557	processed cheese
558	processed cheese semi bold
559	cream cheese
560	curd cheese with fruits
561	curd cheese with herbage full fat
562	non-dairy creamers
563	whole milk powder
564	skimmed milk powder
565	butter milk powder

NON-ALCOHOLIC DRINKS

566	drinking water
567	sparkling natural mineral water
568	still natural mineral water
569	juices
570	lemonade
571	low-calorie lemonade
572	fizzy lemonade
573	fizzy lemonade low-calorie
574	Coke (with caffeine)
575	low-calorie Coke (diet coke)
576	instant drink powder
577	Coke mix
578	Coffee
579	Coffee with milk
580	Coffee with milk and sugar
581	Coffee with condensed milk
582	Coffee with condensed milk and sugar
583	Coffee with sugar
584	Coffee instant powder dry
585	tea
586	tea black with milk
587	tea black with milk and sugar
588	tea black with sugar
589	herbal tea
590	herbal tea with sugar

ALCOHOLIC DRINKS

591	beer
592	beer non- alcoholic (<0.5 wt% Alcohol)
593	beer low-alcohol (max. 1.5 wt% Alcohol)
594	malt beer
595	wheat beer top-fermented
596	wheat beer export
597	beer pils light
598	brown ale/ double beer
599	beer with lemonade
600	whitewine/ redwine
601	dry whitewine
602	smooth whitewine
603	semi-dry whitewine
604	red wine medium
605	red wine heavy
606	hot wine punch
607	spritzer
608	punsch/ wine cooler
609	sparkling wine
610	cider
611	liqueur wine sweet and dry
612	liqueur
613	advocaat/advokat
614	herb liqueur, spice liqueur and bitters
615	brandy
616	hard liquor
617	brandy from grain
618	Rum
619	Cocktails

OIL, FAT & BUTTER

620	Oliveoil
621	rape oil
622	Vegetable fats and oils, Linoleic acid 30% - 60%
623	peanut oil
624	wheat germ oil
625	sesam oil
626	corn oil
627	soy oil
628	walnut oil
629	sunflower oil
630	grape seed oil
631	saffloweroil
632	margarine herbal Linoleic acid 30-50%
633	margarine Linoleic acid >50%
634	margarine low fat Linoleic acid 30-50%
635	Margarine for cooking

636	peanutbutter
637	hart coconut oil
638	palm kernel oil
639	butter
640	semi-bold butter
641	butter oil
642	cod liver oil
643	lard
644	suet
645	dripping
646	chip fat
647	mayonnaise 80% fat
648	mayonnaise for salad 50% fat

INGREDIENTS FOR RECIPES, FOOD ADDITIVES

649	table salt
650	herbal salt
651	vinegar
652	mustard
653	flavor souse and other seasoning
654	tomatoe ketchup
655	soy sauce instant product
656	barbeque sauce
657	Shashlik sauce
658	Maggi bouillon/stock cube
659	tomato purree
660	candied orange peel
661	candied lemon peel
662	backing powder
663	yeast
664	torte topping powder
665	gelatine
666	starch
667	pudding/souse powder/ Ice cream powder
668	bouillon cube
669	rich bouillon cube
670	gravy (dry powder)

CANDIES, SWEETS

671	candies
672	sugar
673	brown sugar (crude sugar)
674	glucose
675	milk sugar
676	fructose
677	blossom honey -assortment
678	artifical honey
679	jam aspic marmalade
680	jam easy

681	aspic easy
682	marmalade
683	hazelnut spread sweet
684	syrup
685	plum butter
686	water ice
687	cream ice cream
688	sorbet
689	heavy ice cream
690	ice cream
691	artificial ice cream
692	soft ice cream
693	sugar candies/sweets
694	Soft caramel goodies
695	toffee
696	gumdrops
697	chewing gum
698	licorice
699	marzipan
700	aspic fruits
701	nougat
702	sugarcoated candy
703	sugar-coated nut
704	sugar-coated peanut
705	cherry candied
706	cocktail- cherry
707	preserved fruit cocktail
708	brittle
709	chocolate
710	milk chocolate
711	milk chocolate full cream milk- nut
712	plain chocolate
713	chocolate white
714	candies filled with miscellaneous
715	candies filled with alcohol
716	candies filled with nuts
717	chocolate filled with miscellaneous
718	chocolate icing mass
719	cocoa
720	cocoa instant beverages soluble
721	Granola bar

FISH & FISH PRODUCTS

722	fish cooked
723	calamari cooked, deep frozen
724	spiny dogfish (sea eel)/ curled strip of smoked dogfish
725	moray fresh cooked, fish cut
726	moray smoked

727	*luce fresh cooked, fish cut*
728	*fresh devilfish*
729	*herring mackerel tuna cooked*
730	*herring in a tin with oil*
731	*matie salted*
732	*anchovy salted*
733	*sardine cooked*
734	*sardine smoked*
735	*sardine in a tin with oil*
736	*fresh sprat*
737	*sprat smoked*
738	*mackerel fresh cooked, fish cut*
739	*mackerel in an tin with oil*
740	*tuna fresh cooked, fish cut*
741	*tuna in a tin with oil*
742	*codfish cooked*
743	*codfish cooked, deep frozen*
744	*haddock fresh cooked, fish cut*
745	*turbot fresh cooked, fish cut*
746	*plaice fresh cooked, fish cut*
747	*hailbut fresh cooked, fish cut*
748	*black halibut smoked*
749	*Dover sole fresh cooked, fish cut*
750	*flatfish fresh cooked, fish cut*
751	*salmon cooked*
752	*whitefish fresh cooked, fish cut*
753	*fresh salmon*
754	*salmon smoked*
755	*trout fresh cooked, fish cut*
756	*trout smoked*
757	*carp fresh cooked, fish cut*
758	*catfish fresh cooked, fish cut*
759	*tench fresh cooked, fish cut*
760	*perch fresh cooked, fish cut*
761	*zander fresh cooked, fish cut*
762	*redfish fresh cooked, fish cut*
763	*shellfishes (sea food) cooked*
764	*crawdad (crawfish) cooked*
765	*crawfish in a tin, driped*
766	*lobster fresh cooked*
767	*small crab (shrimps) cooked*
768	*fresh prawn*
769	*fresh oyster*
770	*oyster fresh cooked*
771	*muusel fresh cooked*
772	*mussel in an tin with oil*
773	*scallop*
774	*stockfish, deep frozen*
775	*buckling fish*

776	*pickled herring in an rin, driped*
777	*herring fillet in horseradish-creme*
778	*herring fillet in tomato sauce*
779	*fried herring in a tin, driped*
780	*caviar*
781	*caviar substitute*
782	*fish finger crumbed, deep frozen*

MEAT

783	*meat cooked*
784	*fresh meat*
785	*beef hash cooked*
786	*pork hash cooked*
787	*beef/pork hash cooked*
788	*fresh sausage meat*
789	*fresh tartar steak (mincemeat)*
790	*beef meat fresh cooked (meager)*
791	*beef meat fresh cooked (medium)*
792	*beef meat fresh cooked (fat)*
793	*beef filet (haunch) fresh cooked (meager)*
794	*veal meat cooked*
795	*veal meat fresh cooked (meager)*
796	*veal meat fresh cooked (medium)*
797	*veal dorsal (cutlet) fresh cooked (medium)*
798	*veal Vorderhaxe fresh cooked (medium)*
799	*pork meat cooked*
800	*pork meat cured smoked*
801	*pork meat cured unsmoked*
802	*pork meat meager*
803	*pork meat medium*
804	*pork meat fat*
805	*pork cutlet fresh cooked (medium)*
806	*pork cutlet*
807	*knuckle of pork ahead fresh cooked (medium)*
808	*sheep meat fresh cooked (meager)*
809	*sheep meat fresh cooked (fat)*
810	*sheep cutlet frsh cooked (medium)*
811	*sheep joint fresh cooked (medium)*
812	*Corned Beef german in a tin*
813	*ragout Fin can*
814	*oxtail soup clear, instant product*
815	*goulash soup in a tin*
816	*gravy dark in a tin*
817	*gravy with mushrooms in a tin*

VENSION, POULTRY, ENTRAILS

818	horse meat cooked
819	goat meat fresh cooked (medium)
820	pet rabbit meat cooked
821	fresh farrow meat (medium)
822	venison meat fresh cooked (medium)
823	deer meat fresh cooked (medium)
824	rabbit meat fresh cooked (meager)
825	fresh quail meat with skin
826	fresh baby turkey hen
827	fresh chicken leg cooked
828	fresh chook breast fillet
829	casserole fowl meat with skin
830	fresh casserole fowl leg cooked
831	fresh canard meat (medium)
832	goose meat with skin fresh cooked
833	goose leg fresh cooked
834	turkey with skin
835	turkey with skin fresh cooked
836	turkey leg fresh cooked
837	fresh turkey breast
838	pigeon meat with skin fresh cooked
839	beef heart cooked
840	pork heart cooked
841	beef liver cooked
842	veal liver cooked
843	pork liver cooked
844	pork lung cooked
845	beef craw// beef tripe cooked
846	pork craw cooked
847	beef kidney cooked
848	veal kidney cooked
849	pork kidney cooked
850	veal sweetbread cooked
851	beef languet cooked
852	veal languet cooked
853	pork languet cooked
854	chook liver cooked

MEAT PRODUCTS, SAUSAGES, ENTRAILS

855	Braunschweiger Mettwurst
856	Teewurst
857	saveloy
858	salami
859	farmer bratwurst (sausage)
860	Landjäger Sausage
861	Kabanos Sausage
862	sausage/bockwurst/wiener sausage
863	bockwurst
864	knockwurst
865	red beef sausage
866	curry bratwurst
867	grilled sausage
868	Bavarian veal sausage
869	ham sausage
870	meat loaf
871	pork sausage
872	Gelbwurst
873	Polish sausage
874	Jagdwurst (Southern German and North German)
875	coarse ham sausage/coarse pork sausage
876	Bierwurst
877	meat loaf
878	white head cheese
879	filled breast of veal
880	poultry mortadella
881	liverwurst fine
882	veal liverwurst
883	liverwurst easy
884	blood sausage
885	blood sausage filet
886	head cheese
887	aspic
888	liver pâté
889	pork bacon tartare smoked
890	pork ham tartare smoked (rolled fillet of ham)
891	pork ham boiled unsmoked
892	smoked pork chop
893	curring food Ripps.
894	mortadella tin
895	wiener sausage tin

RECIPES

896	apple puree
897	bechamel sauce
898	succotash Mexican
899	bean salad green cooked with oil
900	gravy
901	fried potatoes
902	fried potatoes with bacon and onion
903	canneloni
904	cheeseburger
905	yeast dumpling
906	pancake
907	egg salad
908	hotpot with beef

909 cooked peas and carrots	958 Swabian pockets
910 pea hotpot with sausage	959 Swabian pockets in broth
911 vinegar marinade	960 rice pudding
912 canned fish	961 carrot salad
913 fish cake	962 pasta dish with meat
914 crumb fish	963 pasta dish with vegetables
915 sausage salad	964 pasta salad with mayonnaise
916 bouillon	965 noodle soup
917 meat loaf fried	966 omelette
918 rissole	967 Paella
919 spring roll	968 stuffed pepper with hash
920 cream soupe	969 pancake sweet
921 vegetable platter	970 pizza
922 vegetables risotto	971 French fries/ potato chips
923 vegetable salad with dressing	972 turkey schnitzel
924 vegetable soup	973 Ravioli with tomatoe sauce
925 vegetable soup with sausage	974 ratatouille
926 vegetable mix tartare	975 rice salad
927 chicken salad	976 beef roulade
928 vegetable casserole	977 beef goulash
929 vegetable stock	978 red fruit jelly
930 semolina pudding	979 rump steak
931 basic souce weight	980 scrambled eggs with bacon/ham
932 Greek salad	981 scrambled eggs
933 basic souce with mustered	982 hash browns
934 cucumber salad	983 salads
935 ambrosia	984 boiled potatoes
936 meat loaf	985 Shashlik spit
937 hamburger	986 pork chop
938 chicken fricassee	987 pork cutlet crumbed
939 mashed potatoes	988 pork cutlet natural
940 potato dumpling	989 Schupfnudeln
941 potato croquette	990 bread dumpling
942 potato fritter	991 Holland Sauce
943 potato salad	992 fried egg
944 au gratin potatoes	993 spaghetti bolognese
945 potato soup	994 asparagus soup
946 kebab. gyros	995 tomatoes salad
947 clear soupe with fillings	996 tomatoe soup
948 stuffed cabbage	997 Viennese Schnitzel
949 coleslaw	998 sausage/chesse salad
950 Kaesespaetzle	999 Tzatziki
951 lasagna with vegetables	
952 lasagna with hash	
953 field garlic	
954 liver dumpling	
955 lentils	
956 lentil soup with sausage	
957 macaroni with tomatoe sauce	

Warranty

HMM Diagnostics GmbH products need to fulfill high quality requirements.
Because of this reason, HMM Diagnostics GmbH gives a 2-year warranty by purchasing this **smartLAB**® product. You can even extend the warranty from 2 to 5 years without extra pay when you register your product. Please use the warranty card included in your product set.

Wear parts, batteries etc. are excluded from warranty.

Manufacturer

HMM Diagnostics GmbH
Friedrichstr. 89
D-69221 Dossenheim, Germany

mail: info@hmm.info
www.hmm.info